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5 **Entrepreneurship and Human Capital in Professional Sport: A Longitudinal**

6 **Analysis of the Italian Serie A Soccer League.**

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10 **Entrepreneurship and Human Capital in Professional Sport:**
11 **A Longitudinal Analysis of the Italian Soccer League**

12 **ABSTRACT**

13 The discovery and deployment of human capital are overlooked topics in entrepreneurship
14 research. Professional sport can illuminate these phenomena as sport directors take huge risks in
15 innovating rosters. Our longitudinal analysis of the Italian *Serie A* investigated if sport directors
16 with greater entrepreneurial orientations toward the acquisition of new players outperformed
17 rivals. While soccer organizations with better roster quality and accomplished managers achieved
18 superior rankings, the acquisition of new players had non-significant effects and was moderated
19 negatively by accomplished managers. We argue that entrepreneurs risk with ‘too many’ talents
20 while conformity mechanisms attenuate the entrepreneurial opportunities offered by human
21 capital.
22

23 **INTRODUCTION**

24 Professional sport competitions represent a unique setting to develop entrepreneurship theory.
25 Professional sport is indeed a hyper-competitive environment, which produces constant pressures
26 on organizations to discover and exploit new opportunities to survive, grow and win competitions.
27 Examples of entrepreneurial behaviors abound at different levels of analysis, from sport leagues
28 (e.g. the growth of the National Football League in the US), to organizations (e.g. the brand
29 expansion of European soccer clubs in China), to single individuals (e.g. the dynamic choices that
30 team managers make during a competition). With so many examples, it is rather surprising that
31 only few studies have looked into this sector to induce new entrepreneurship theory (Ratten, 2010;
32 Grove & Cook, 2011; Terjesen, 2016).
33 A distinctive feature of professional sport entrepreneurship is the centrality of human talents
34 (Baron & Henry, 2010; Wolfe & Shepherd, 2015). In order to survive, grow and win competitions,
35 sport organizations must be ‘one step ahead’ in the discovery, acquisition and deployment of
36 valuable players (Crook et al., 2011; Di Minin et al., 2014). Soccer organizations, in particular,
37 invest several millions of Euros in worldwide scouting systems to discover talents before
38 competitors, as well as to acquire and retain them. Soccer competitions represent entrepreneurial

39 cycles, where soccer organizations reset their expectations every year, reassess their rosters and
40 compete by leveraging the performance of their talents.

41 Overall, directors in sport organizations¹ often display an intense entrepreneurial orientation
42 toward the discovery of new talents and the enrolment of high-reputation team managers to deploy
43 players' elusive potential. This is based on the assumptions that sport directors (i) should pursue
44 an ambitious 'vision of the future' (Dimov, 2011); (ii) can best act upon this 'vision' by renewing
45 human capital through new talents; and (iii) should rely on team managers' reputation to best
46 deploy players' full potential. Yet, the appropriateness of these assumptions remains unknown
47 since anecdotic evidence provides contradictory indications in this regard (Murao, 2016; Wagner,
48 2010), while academic research has dedicated limited attention to these topics.

49 Previous entrepreneurship research has mostly focused on how entrepreneurs discover and exploit
50 technological and market opportunities, and how firms grow as a result of this (Covin & Miles,
51 1999; Wright et al., 2007). By comparison, human capital, i.e. the knowledge, skills and abilities
52 acquired through education and experience, has never been treated as an entrepreneurial
53 opportunity, but 'only' as a resource of the entrepreneur. Hence, we know that entrepreneurs with
54 greater human capital better support firm growth (Marvel, Davis & Sproul, 2014; Rauch &
55 Rijdsdijk, 2013; Unger et al., 2011), and that the human capital of employees and managers is linked
56 with superior performances (Crook et al., 2011). We do not know, instead, if and how
57 entrepreneurs should orient the discovery and deployment of new talents in order to grow and
58 reach better market positioning (Dimov, 2007; 2011).

¹ A sport director is an individual working for sport organizations or with the athletic departments. The responsibility of sport directors include organization and administration, facility supervision, human resources, funding.

59 In order to address the gaps outlined above, in this paper we ask: (i) *what is the relationship*
60 *between the number of new talents acquired by sport organizations and their success?* (ii) *how do*
61 *different approaches to talent acquisition affect the success of sport organizations?* (iii) *what is*
62 *the role of team managers in moderating the relationship between the acquisition of new talents*
63 *and the success of sport organizations?*

64 Building upon these premises, we looked at the experience of soccer organizations in the Italian
65 Premier League (*Serie A*) in the period 1995-2013, for a total of 342 observations. *Serie A*
66 organizations (e.g. Juventus FC, AC Milan, FC Inter) represent an illuminating setting for studying
67 entrepreneurial opportunities offered by human capital. Indeed most organizations expect to win,
68 or at least survive in the premier league, by investing large amounts of money in the discovery and
69 acquisition of new players, and by deploying their talents through accomplished team managers.

70 In particular, we investigated: (i) whether organizations investing in new players succeed; (ii)
71 whether differences exist in the acquisition of new players through long-term and short-term
72 contracts; and (iii) whether team managers with greater experience in past accomplishments
73 positively moderate the link between the acquisition of new players and success.

74 The remainder of the article is organized as follows. The next section builds the theoretical
75 framework, first discussing the role of human capital in professional sport entrepreneurship and
76 then developing the research hypotheses. After, we outline our research methods and present our
77 findings. Finally, we discuss our results and derive implications for theory and practice.

78 **PROFESSIONAL SPORT ENTREPRENEURSHIP AND HUMAN CAPITAL**

79 Sport entrepreneurship is a nascent field of research, focused on how the decision-making of
80 communities, organizations and individuals supports the survival, growth and success of sport
81 organizations. Sport entrepreneurship is characterized by intense and continuous proactivity,

82 innovation and risk-taking behaviors, related to the discovery and exploitation of new markets,
83 technologies, product opportunities and human capital (Ratten, 2010).

84 Earlier research looked at the human capital of entrepreneurs more than the entrepreneurship of
85 human capital. Human capital represents the knowledge, skills and abilities that individuals
86 acquire from education and work experience (Marcel et al., 2014; Unger et al., 2011). Scholars
87 have studied the human capital of owners, top managers, team managers and players (Baron &
88 Henry, 2010; Fagenson-Eland, 2001). Across all these units of analysis, studies have consistently
89 found that owners and managers with greater human capital are more likely to discover
90 opportunities and succeed (e.g., Marvel and Lumpkin, 2007; Marvel et al., 2014; Rauch et al.,
91 2005; Unger et al., 2011). Other studies used the resource-based view to explain why organizations
92 with greater human capital of managers and players achieve better performances. Such studies
93 argued that valuable resources “in short supply and semi-permanently tied to the firm [deliver]
94 above-average performance” and “knowledge embedded in human capital [is] among the most
95 universal of resources that meet these criteria” (Crook et al., 2011; p. 444). Crook et al.’s (2011)
96 meta-analysis found a direct and positive link between human capital and operational/financial
97 performance (Shaw, Park & Kim, 2013; Kim & Ployhart, 2014). Wright, Smart & McMahan
98 (1995) and Berman, Down & Hill (2002) found that sport organizations with greater human capital
99 of their players and team managers reached superior rankings. These results suggest that the human
100 capital of players has *strategic value* for the firm, thus leading sport organizations to design teams
101 with the ‘best’ players.

102 Less is known about the *entrepreneurial value* of human capital. Players’ human capital entails
103 opportunities for new ventures. As Dimov (2011) observed: “in abstract terms, the notion of
104 opportunity reflects the idea that an economic system never reaches its full potential and so there

105 is always room for actions that can take it closer to that potential” (p. 60). Hence, “an opportunity
106 can be seen as a vision of a future in which the aspiring entrepreneur occupies a market niche,
107 engaged in a set of market relationships that collectively constitute the business the entrepreneur
108 intends to create” (p. 68). For soccer organizations, this vision involves the discovery and
109 deployment of new players. Indeed, the discovery and acquisition of great talents represent *the*
110 way for sport organizations to conquer a better market niche (e.g. promotion into a premier league,
111 or qualification into international competitions), multiply the possibility of strategic choices (e.g.
112 modelling different lineups, choosing new game-day tactics) and improve the popularity of the
113 team (e.g. in terms of marketing revenues). Hence, sport organizations do not just enroll players
114 to design an appropriate team, but use the discovery and acquisition of new talents to inform and
115 implement their ‘vision of the future’. While the former reflects the human resource management
116 function of the team manager (i.e. the “coach” and “trainee”), the latter represents the
117 entrepreneurial function of sport directors. Sport directors are top managers – comparable to CEOs
118 in firms in other sectors – delegated by the owners of the soccer clubs to make the key decisions
119 about new target niches, the discovery and acquisition of new talents, as well as the identification
120 of team managers. With owners typically focused on other core businesses, sport directors are
121 actually the ones developing the ‘vision of the future’ and acting upon it. In English soccer, the
122 figures of team manager and director often overlap, as the former has extensive power to develop
123 the ‘vision’ for the organization (e.g. Ferguson for Manchester United). In our empirical context,
124 i.e. Italian Soccer, the two figures are instead distinct as the sport director discovers and acquires
125 players according to his ‘vision, while team managers deploy the talents.

126 Our study thus focuses on the entrepreneurial orientations of sport directors, who engage with the
127 discovery and acquisition of new players through different approaches.

128 **The entrepreneurial orientation of sport directors**

129 Lumpkin and Dess (1996) defined entrepreneurial orientation as the “propensity to act
130 autonomously, a willingness to innovate and take risks, and a tendency to be aggressive toward
131 competitors and proactive relative to marketplace opportunities” (p. 137). The authors argued that
132 entrepreneurial orientation should have positive and direct effects on final performance, and that
133 this link is influenced by environmental and organizational factors.

134 The entrepreneurial orientation of sport directors is often very high, as they are constantly on the
135 hunt for new players. Such proactiveness and aggressiveness are underpinned by the belief that the
136 labor market generates new opportunities every season (e.g. young new talents, players achieving
137 maturity) and that their prompt discovery and acquisition allows greater chances to achieve new
138 market niches. Several reasons might increase the entrepreneurial orientation of sport directors
139 toward new players.

140 First, players play a central role in the ‘vision of a better future’ and the discovery of new players
141 represents the most direct way for sport directors to influence performance. Other types of firms
142 can pursue different opportunities – e.g. new technologies, supply-chain configurations, customer
143 services, products and organizational structures (Shane, 2003). These are not available to sport
144 directors, who (i) cannot act upon tournament rules, technologies, and product configurations (as
145 these are controlled by the league commissioners), and (ii) are not motivated to act upon other
146 elements (e.g. customer services) which are less relevant for the ‘vision’ of a better market niche.

147 Second, sport contexts are inherently competitive and dynamic, so that opportunities constantly
148 change. Expectations are reset at the beginning of each new season, and the competitive advantage
149 acquired in the past is almost irrelevant, as the organizations must ‘play the game’ from scratch.
150 So, entrepreneurs may feel the need to proactively and aggressively discover new players to

151 achieve the desired ‘vision’, while inertia might reduce the capacity to reach ‘full potential’.
152 Furthermore, sport entrepreneurs may acquire new players ‘tactically’ to put pressure on their
153 rivals, i.e. remove potential opportunities that others might deploy to win the competition (Dietl et
154 al., 2008). Third, there is extensive evidence of path-breaking decisions in sport environments as
155 rivals constantly try to emulate or defeat each other’s practices (Di Minin et al., 2014). Therefore,
156 sport directors must proactively look into new opportunities to generate competitive advantages,
157 by breaking existing paths and finding new ones.

158 There are also two environmental factors that may influence the perceived risks of high
159 entrepreneurial orientation. On the one hand, soccer organizations face the risk of *not* acting
160 entrepreneurially. Soccer organizations face strong expectations from media and fans to acquire
161 new players. External pressures are channeled by social media, TV and radio programs, specialized
162 websites, and even protests and flash mobs; these can be so intense that several owners and top
163 managers have been replaced because of them (Gerrard, 2000; Park, Mahony & Kim, 2011). On
164 the other hand, sport directors may perceive limited risk in the deployment of new players.
165 Advanced forms of socialization tactics are indeed implemented to adjust new players and team
166 managers in the organization. Soccer organizations, for instance, organize extensive training
167 camps where players get physically fit, prepare tactics and improve their technical skills, as well
168 as shape the sense of community amongst players and the mutual integration of newcomers with
169 the ‘old guard’ (Benson, Evans & Eys, 2016).

170 In conclusion, whether intense entrepreneurial orientation in the discovery and acquisition of
171 human capital actually yields superior performances remains unknown and represents the core
172 contribution of our article.

173

HYPOTHESES DEVELOPMENT

174 In this section, we present our hypotheses by first discussing the expectations and practices from
175 the field, and then the theoretical arguments from earlier research.

176 **Discovery and acquisition of human capital: number and contracts of new players**

177 Several organizations invest a lot of money on new players regardless of their most recent
178 accomplishments (Deloitte, 2016). Four reasons may suggest why the acquisition of new players
179 should yield superior performances. First, soccer organizations might suppose that the value of a
180 roster decreases as a result of age, injuries and slackening. Hence, inertia might result in weaker
181 performances. Conversely, the transfer market provides a constant inflow of new talents, emerging
182 from youth systems and international leagues. Second, the acquisition of new players ‘steals’
183 talents from competitors. Soccer organizations often try to ‘kill’ the most immediate competition
184 by acquiring their best talents or complicating their transfer plans. Third, the acquisition of new
185 players may generate constant alertness among established players. The constant ‘threat’ of being
186 replaced reduces the risks of complacency among the ‘old guard’. Finally, pressure from media
187 and fans is increasing thanks to the diffusion of broadcasting coverage, analytics & statistics, and
188 social media; by satisfying their ‘hunger’ for new players, sport organizations may receive greater
189 support from fans and media, which helps players perform appropriately during matches.

190 The acquisition of new players may however not have linearly positive effects on performance.
191 Indeed, ‘too many’ players in the same position might disrupt decision-making. Team managers
192 may struggle to put top players ‘on the bench’, so they introduce compromising solutions (e.g.
193 team rotations) that ultimately inhibit team synergies and thwart the quality of performance.
194 Second, ‘too much’ internal competition increases the possibility of internal rifts between players,
195 especially when they compete for the same spot; resentment toward team managers who make

196 decisions on playing time; and faultlines between the ‘old guard’ and new players. Finally,
197 organizations often face resource constraints and cannot invest in new players without divesting
198 others. The impact of new players might be attenuated by ‘sacrifices’ made elsewhere.

199 These expectations resonate with earlier theory on the effects of newcomers in organizations
200 (Forbes et al., 2006; Rink & Ellemers, 2009; Rink et al., 2013). On the upside, newcomers provide
201 new knowledge, competences and skills, which add to or complement the human capital already
202 available in an organization (Bauer et al., 2007; Mathieu et al., 2014; Rink et al., 2013).
203 Newcomers also provide new perspectives and approaches that reduce the complacency of the ‘old
204 guard’ (i.e. old-timers). They inject ‘new blood’ into the organization and their new ideas,
205 perspectives and approaches can challenge the status quo and spur more radical forms of
206 innovation (Perretti & Negro, 2007). On the downside, newcomers may disrupt internal stability
207 (Mathieu et al., 2014; Rink et al., 2013). Old-timers may perceive newcomers as a threat to their
208 values, interests and practices, and may not accept them as legitimate coworkers and often do not
209 socialize newcomers. In these circumstances, the organization struggles to perform appropriately
210 (Bauer et al., 2007; Ferriani et al., 2009; Forbes et al., 2006). Likewise, newcomers may refuse to
211 socialize with old-timers and enact threats to established values, interests and practices (Rink et
212 al., 2013). Newcomers may decide not to actively seek information on the work context or engage
213 in social relationships to increase role clarity and task coordination (Bauer et al., 2007; Beus et al.,
214 2014). When old-timers’ receptivity is low or newcomers do not actively try to be involved,
215 negative effects may become predominant, since newcomer entry stymies internal team cohesion,
216 viability and transactive memory (Rink et al., 2013). Combining these arguments, some recent
217 study tested a curvilinear hypothesis between newcomers’ entry and organizational performance

218 (Ferriani et al., 2009; Ramos-Villagrasa et al., 2012). Following these considerations, we thus
219 hypothesize that:

220 *H1: The number of new players acquired by a soccer organization has curvilinear (inverted-U*
221 *shaped) effects on its championship ranking.*

222 Soccer organizations acquire new players through long-term contracts or short-term loans (one
223 year or less). Organizations overwhelmingly privilege the first option to loans. Long-term
224 contracts provide organizations with control over a player's tenure as they (i) legally become first
225 movers in contract extensions (competitors cannot approach the player until six months away from
226 contract expiry date); (ii) decide where and how the player could move during the contract
227 duration, usually avoiding direct competitors and receiving money in return. The acquired player
228 thus 'belongs' to the organization and is indefinitely removed from competitors. Instead, loaned
229 players help the organization 'only' during the single season, after which they move back to the
230 original employer.

231 These behaviors resonate with theory on newcomers' receptivity (Rink et al., 2013), according to
232 which newcomers with short-term and long-term contracts adjust differently to the organization.
233 Old-timers are more likely to invest time, resources and personal engagement in socializing long-
234 term newcomers – and vice versa. Both have reasonable expectations to interact for a long time,
235 so they are more motivated to act collaboratively. Long-term newcomers, in particular, are more
236 motivated to behave in accordance with existing rules and practices than short-term newcomers
237 (Rink & Ellemers, 2009). Having fewer expectations and intentions to remain, short-term
238 newcomers are instead more detached from the rules and practices of old-timers, and express their
239 personal identities more freely (Rink et al., 2013). Employees with expectations of short-term
240 contract are likely to pursue 'careerism' and rely on transactional rather than psychological
241 contracts to engage with coworkers (De Cuyper et al., 2008). Thus, they might hoard their unique

242 skills and knowledge and act on a ‘hidden profile’ (Stasser & Titus, 2003), or enact an oppositional
243 identity to spur radical changes in the status quo (Rink et al., 2013). Combining these insights, we
244 thus hypothesize that:

245 *H2: The acquisition of new players by a soccer organization through long-term contracts has more*
246 *positive effects on its championship ranking than the acquisition of new players through short-*
247 *term loans.*

248 **Deployment of players’ human capital: the role of team managers**

249 We now focus on the role of team managers in the deployment of players’ human capital. Earlier
250 research highlighted the role of line managers as corporate entrepreneurs during the deployment
251 of opportunities (Kuratko et al., 2005). Particularly, team managers supervise the socialization and
252 performances of players (Zhang, 2017), but they also act as micro-entrepreneurs who discover and
253 deploy real-time opportunities during matches and tournaments (Frick et al., 2006; Wolfe &
254 Shepherd, 2015). So, they are expected to have a direct effect on performance, as well as moderate
255 the impact of new players on performance.

256 Soccer organizations give extensive authority to team managers, who control how players adjust
257 in the new organization, define the conditioning tactics (e.g. workouts) to put players in physical
258 shape, and organize strategic meetings to instruct game plans. Hence, the discovery of
259 ‘appropriate’ team managers is important to fulfil the ‘vision’ of the sport directors. Earlier
260 research generally agrees that entrepreneurs and top managers with higher human capital (in terms
261 of education, experience and task-related skills) are more likely to achieve firm survival and
262 growth (Marvel et al., 2014). Yet, soccer organizations tend to select team managers according to
263 their reputation – measured primarily by their previous accomplishments – rather than their human
264 capital. Real Madrid, for instance, traditionally selects team managers with the most
265 accomplishments in the recent past. The enrolment of José Mourinho, Fabio Capello and Carlo
266 Ancelotti reflects an assumption that who ‘won the most’ is also ‘the best’ in the market. Other

267 organizations discard the idea that the number of past accomplishments is a valid proxy of
268 managers' human capital. AC Milan and FC Barcelona, for instance, take more risks in discovering
269 young team managers (e.g. Arrigo Sacchi and Josep Guardiola).

270 Past research suggests that individuals' reputation may be a safe proxy for human capital. Previous
271 experiences of success may enrich an individual's human capital, as they affirm what operational
272 knowledge, emotional intelligence and heuristics are appropriate to navigate new entrepreneurial
273 endeavors (Wolfe and Shepher, 2015). Successful individuals are more confident as well as more
274 informed of 'what it takes' to win. They can also be more assertive, using their past victories to
275 legitimize their decision-making. So, subordinates are more likely to respect them and follow the
276 instruction during complex situations (Dirks, 2000; West et al., 2003). Combining these insights,
277 we hypothesize that:

278 *H3: Soccer organizations with greater team managers' experience in past accomplishments have*
279 *higher championship ranking.*

280 The above arguments also apply when we look at the role of team managers in socializing new
281 players, and in trying to 'extract' the best value from them. Team managers can do so by clarifying
282 sources and information on relevant tasks, boundaries and authorities, designing work and
283 instructions that orient, engage and energize the worker, developing norms of conduct, information
284 systems, incentives and sanctions, and coaching workers to use their individual skills and
285 collective resources (Ashforth et al., 2007; Bauer et al., 2007). Managers with greater reputation
286 might enact these tasks more effectively because their greater experience, skills and knowledge
287 help them understanding the identities, frames and meanings of their workers, recognizing the
288 faultiness separating old-timers and newcomers, and increasing their capacity to prevent/moderate
289 conflicts (Hitt et al., 2001). Managers with greater reputation also have greater 'referent power',
290 i.e., more ability to increase others' feelings of obligation and responsibility towards the

291 organization and consider the manager/leader as a role model (Zinko et al., 2007). A distinction
292 can be made between new players with short-term and long-term contracts. Short-term newcomers
293 may be relatively immune to managers' referent power, as they rely on transactional rather than
294 psychological contracts with their managers (De Cuyper et al., 2008). Thus, short-term newcomers
295 might be more likely to develop more independent and personal decisions/behaviors (Rink &
296 Ellemers, 2009). Conversely, long-term newcomers may identify with the organization, and
297 conform to the referent power of their supervisors (Zinko et al., 2012).

298 Taken together, these considerations lead us to hypothesize that:

299 *H4: Team managers with higher experience in past accomplishments moderate positively the*
300 *effects of new players on championship rankings, i.e. the acquisition of new players has a more*
301 *positive effective on championship rankings when team managers' experience in past*
302 *accomplishments is higher.*

303 *H5: Team managers with higher experience in past accomplishments more positively moderate*
304 *the effects of new players acquired through long-term contracts on championship rankings than*
305 *the effects of new players acquired through short-term loans on championship rankings.*

306 **METHODS AND MEASURES**

307 **Empirical Setting**

308 These hypotheses are tested in the context of the Italian *Serie A*. This professional league has
309 developed into a remunerative industry with total revenues exceeding €2.2 billion per year and
310 spread among its 20 clubs. These revenues come from match-day tickets, broadcasting rights,
311 commercial agreements and player trades (FIGC, 2016). Yet, the costs exceed €2.5 billion per
312 year, with 50% of the costs associated with player salaries and trades (FIGC, 2016). The survival,
313 growth, and success of *Serie A* organizations can be measured in two different ways. On the one
314 hand, their survival, growth and success in the *Serie A* competition derive from the capacity of
315 their players to avoid relegation, growth can be measured by improvements in table positions over
316 the years and success is linked with final victories or, at least, clinching spots for international

317 competitions. Differently, the survival, growth and success in *Serie A* businesses, like other
318 entertainment sectors, depend on the capacity to generate profits, or at least sustainable losses
319 (FIGC, 2016). The two dynamics are connected with each other, since cash-flows grow or decline
320 according to club results (Deloitte, 2016). Most noticeably, relegated organizations cannot access
321 the main broadcasting rights (which represent around 60% of the total revenues). The two
322 dynamics do not strictly depend on each other, though, as successful soccer clubs might fail due
323 to ownership problems (e.g. Fiorentina in 2002). We will focus on the sport performances in *Serie*
324 *A* competitions, as this is where players' and team managers' human capital produce the most
325 direct effects.

326 *Serie A* organizations acquire players in an open transfer market characterized by the progressive
327 elimination of isolating mechanisms. *Serie A* adopted the broader EU legislation regarding the free
328 circulation of communitarian workers. The Bosman ruling in 1995 banned restrictions on the
329 mobility of EU players in EU leagues. Previously, *Serie A* organizations could acquire a fixed
330 number of foreign players, which thwarted the number of transactions inside and outside Italy.
331 FIFA regulations also stipulate that player contracts can have a maximum length of five years
332 (during and after which they must be renegotiated). Formally, no organization can negotiate
333 contracts with players owned by other teams, until six months before the expiry date. Infractions
334 are sanctioned with penalizations and bans. Nevertheless, on several occasions, players move
335 during their tenure with transfer fees paid by the acquiring club to the former employer. Unlike
336 most industries, soccer organizations trade players for an amount of money that reflects the buying
337 club's perception of the player's value. Transfer fees vary considerably, but often exceed the
338 millions of Euros (the record is currently Gonzalo Higuain's transfer to FC Juventus for €90M in

339 2016). Similarly, player contracts are highly remunerative (the highest salary is currently earned
340 by Higuain with €7.5M per year). No salary cap regulates payrolls.

341 All *Serie A* organizations have institutionalized scouting systems to discover and acquire new
342 players, as well as training systems and socialization tactics to deploy their talents. *Serie A*
343 organizations have a network of scouts, covering the main leagues in Europe, South America, and
344 Africa. Extensive information about players is often available even to fans and media, e.g. with
345 databases such as Transfermarkt, providing ‘raw data’ on the history and stats of players, and
346 popular applications such as Football Manager that provides analyses of skills and potential. While
347 data have become more accessible, the assessment of players’ talent has not become easier.
348 Investments in human capital are a source of financial risk for the organization, since poor player
349 performances generate the need for new expenditure to acquire substitutes, and potentially
350 significant capital losses if the organizations fail to trade the player or trade him at a lower price.

351 ***Serie A* Competition**

352 *Serie A* competition is currently fourth in UEFA rankings and hosts four (Juventus, AC Milan, AS
353 Roma and Inter Milan) of the 20 clubs with the highest revenues in Europe (Deloitte, 2016). In
354 2013/14, total *Serie A* revenues amounted to almost \$2 billion from broadcasting, match-day
355 tickets and merchandise. *Serie A* follows a true round-robin format from late August to early June.
356 The 20 teams play against each other twice for a total 38 matches. Teams can use lineups with 11
357 players with three substitutions and are awarded three points for each win, one for a draw and none
358 for a loss. The team with most points wins the *Scudetto* (i.e., championship). The top three teams
359 in *Serie A* qualify for the UEFA Champions League, teams finishing 4th to 6th qualify for the
360 UEFA Europa League, the three lowest placed teams ‘exit the market’ and are relegated to *Serie*
361 *B* (i.e., second division). Higher ranking position engenders superior revenues as *Serie A* winners,

362 Champions League and Europa League qualifiers receive financial bonuses. The acquisition of
363 new players occurs in two ‘transfer windows’ (June-August and January). In the 2015/16 season,
364 the value of these transactions amounted to almost \$800 million.

365 The data to test our hypotheses were extracted from www.transfermarkt.com, covering the *Serie*
366 *A* seasons from 1995-1996 to 2012-2013, i.e., after the Bosman ruling liberalized the transfer of
367 players in the European Union. Transfermarkt is a German-based website that collects and
368 provides football information including scores, results, transfer news and player values, and reports
369 detailed information on several championships: 49 A-Leagues, 35 B-Leagues and 57 National
370 Trophy Competitions in Europe. Transfermarkt provides detailed and longitudinal data on
371 individual players and coaches (e.g., age, nationality, career, transfers, awards, personal
372 performance) and includes daily updates on their careers, histories and transfers (with details on
373 the nature of moves, e.g., loan or full transfer). Finally, it contains information on team
374 performance in terms of match scores, rankings and several details on the organization (e.g.,
375 stadium capacity, achievements, roster size, links to team websites).

376 **Dependent Variable**

377 Our dependent variable *TableRanking* measures competitive performance with the ranking of each
378 organization at the end of the season, ranging from 1 (best performance) to 20 (lowest
379 performance)². This measure describes the final position achieved by each team at the end of the
380 season, resulting in different national honors and financial rewards (Brannick, Salas, & Prince,
381 1997). The final ranking in the championship represents the performance for which the players’
382 human capital is primarily responsible and is a key indicator of the soccer organization’s success
383 and market attractiveness (Koenigstorfer, Groeppel-Klein, & Kunkel, 2010).

² To explain the results more straightforwardly, we measured our dependent variable in the range from -1 to -20.

384 We do not implement a commercial/financial performance measure as one of our dependent
385 variables because, as noted, the role of players' human capital is indirect and moderated by a
386 number of factors outside of their control. Notably: (i) a large portion of broadcasting-related
387 revenue depends on the team's catchment area, irrespective of actual performance in the season
388 (e.g., organizations in Rome, Milan, Turin and Naples tend to have more money than others
389 because they have more fans and thus more potential TV customers); (ii) large commercial
390 revenues depend on negotiations with sponsors, which are managed by other departments/units in
391 the organization (Deloitte, 2016). Therefore, revenues do not immediately reflect the 'success' of
392 the organization, but a combination of loosely linked factors. Finally, our dependent variable is
393 temporally lagged (one year) respect to the independent variables, hence avoiding issues about the
394 direction of causality. Teams also tend to hire new players during two transfer periods, i.e. a
395 'summer session' and a 'winter session'; this further reduces problems about reverse causality.

396 **Independent Variables**

397 Related to H1, we use the *NewPlayers* measure to represent the number of newcomers that an
398 organization acquires each season. As all teams are of a comparable size, relative measures of
399 newcomer entry are considered redundant (Ferriani et al., 2009). In a separate analysis, to address
400 H2, we differentiate between the *AcquiredPlayers* variable, calculated as the number of new
401 players acquired through multi-year deals, and the *LoanedPlayers* variable, calculated as the
402 number of new players acquired on loan. In both the 'summer' and 'winter' sessions of players
403 transfer organizations can acquire long- and short-term newcomers.

404 Related to H3 and H4, we use the *TeamManagerAccomplishments* measure to describe the human
405 capital of team managers. We adopt an objective measure that considers the past accomplishments
406 of the individuals rather than external assessments by the media, peers, managers and/or players

407 as well as manager self-assessments. This approach is based on the definition of reputation as “a
408 perceptual identity formed from the collective perceptions of others, which is reflective of the
409 complex combination of salient personal characteristics and accomplishments, demonstrated
410 behavior, and intended images” (Zinko et al., 2007, p. 165). The variable is specifically evaluated
411 as the total number of competitions won by the head coach including Italian (e.g., *Serie A*, *Coppa*
412 *Italia*), European (e.g., *Champions League* and *Europa League*) and international (e.g., *World*
413 *Cup*) competitions.

414 **Control Variables**

415 We control for other factors that may influence table rankings. First, *RosterQuality* controls for
416 the soccer team’s overall human capital. Unlike firms in most other sectors, soccer organizations
417 trade individual players for a fixed amount of money, which is then recorded in financial
418 statements as a capital asset (along with amortization). Although theoretically a perfect opportunity
419 to develop a market-based value of players’ human capital: (i) few organizations report data on
420 players’ values in their financial statement; (ii) when available, these may relate to their actual
421 technical value in a rather spurious way (Risaliti & Verona, 2013). Likewise, quantifying players’
422 human capital through their contracts is problematic as this variable artificially represents the
423 actual human capital of players (e.g., players may earn a great deal more than colleagues in another
424 club not because of their higher productivity, but because of their employer’s bargaining power).
425 More than theoretically questionable, data on players’ market value do not cover all seasons under
426 investigation (only available from the 2005/2006 season). Accordingly, we implement a variable
427 that recognizes the technical value of players. Specifically, players are reviewed and signed up by
428 national head coaches, who act as external and independent observers. We thus adopt the total

429 number of matches played in the national squads as a suitable proxy of players' human capital
430 (Cattani & Ferriani, 2008).

431 Second, *Organizational Proximity* controls for the effect exerted by team members' familiarity on
432 interaction ease, information and knowledge exchange (Boschma, 2005; Cattani et al., 2013). This
433 variable is measured by the average number of seasons each player was on a given team.

434 Third, we include proximity measures that reflect the existence of demographic and work-related
435 fault-lines across members that could enable or endanger performance (Lau & Murnighan, 1998).

436 The *Cultural Proximity* measure reflects the average cultural proximity between players'
437 birthplaces. We employ Kogut and Singh's (1988) measure based on Hofstede's (1980, 2001) four
438 cultural dimensions. This index is largely adopted to account for cultural differences (Capaldo &
439 Messeni Petruzzelli, 2011; Lavie & Miller, 2008) and is measured as:

$$440 \quad CD_{a-b} = \sum_{i=1}^4 \frac{(I_{i,b} - I_{i,a})^2}{4V_i}$$

441 where CD_{a-b} is the cultural distance between the countries of birth of players a and b ; I_{ib} and I_{ia}
442 are the scores for the i_{th} cultural dimension and countries of players a and b , V_i is the variance of
443 the i_{th} cultural dimension. The scores for each country on the four dimensions derive from
444 http://www.geert-hofstede.com/hofstede_dimensions.php. Cultural proximity is thus calculated as
445 the inverse of the above measure for each pair of players and then averaged per team.

446 Fourth, we control for different properties in team composition, namely, size (*RosterSize*)
447 measured by the total number of players on the team in each season, and age (*RosterAge*) measured
448 by averaging the players' age in each season (Mathieu et al., 2014; Stewart, 2006).

449 Fifth, we control for variables that reflect the financial performance and reputational 'weight' of
450 soccer organizations. *Serie A* competition (as most other soccer competitions) is characterized by

451 a relatively small group of top clubs that compete for final victory, while others traditionally
452 compete for lower ranks. Hence, we include a proxy for organizational reputation
453 (*OrganizationalReputation*) measured by the total number of previous seasons won by the team in
454 *Serie A*. To account for financial results, we then include a proxy of the organization's bargaining
455 power through the *NetTransfer* variable measured as the difference between the money received
456 from selling players and the money spent for acquiring players. We emphasize that we intend to
457 measure the bargaining power actually used in the competition season rather than a more
458 theoretical definition of entrepreneurs' available finances. Indeed, in several cases, club owners
459 have seasons/periods in which they hold back from investing money in soccer clubs and hence
460 have lower expectations regarding final performance. In addition, we include a proxy of the
461 organization's catchment area with the *StadiumSeats* variable measured as the overall size of the
462 team's local stadium.

463 Finally, we control for the presence of penalization points (*Penalization*), which can affect the
464 championship ranking. In this regard, we introduce a dummy variable whose value is equal to 1 if
465 the team has been penalized for administrative or other unfair behaviors.

466 **Data analysis**

467 Our dataset is an unbalanced panel with 342 observations. To test our hypotheses, we use panel
468 negative binomial regression models. Our dependent variable is a count and integer variable,
469 rendering linear regression modeling inadequate as the distribution of residuals will be
470 heteroskedastic non-normal. Additionally, the dependent variable does not meet the condition of
471 having a mean equal to standard deviation, violating the Poisson assumption. We hence consider
472 the negative binomial estimation to be more suitable to analyze our data as this allows the variance
473 to differ from the mean (Hausman, Hall, & Griliches, 1984). Moreover, we adopt the random-

474 effects rather than the fixed-effects specification according to the Hausman test results. We
475 estimate the models using the ‘xtnbreg’ routine included in the STATA 12.0 software package.
476 The potential multicollinearity tests indicate that the maximum variance inflation factor index is
477 below the critical value of 10 (Kleinbaum et al., 1998), thus eliminating any concerns.

478 RESULTS

479 Table 1 reports the descriptive statistics in terms of means, standard deviations and correlations.
480 The correlation values between the independent variables fall below the 0.70 threshold, indicating
481 acceptable discriminant validity (Cohen et al., 2003). Finally, we included variance inflation factor
482 index in the analysis. The maximum value (2.361) does not exceed the critical value of 10
483 (Kleinbaum et al., 1998), hence indicating no multi-collinearity issues. Furthermore, we performed
484 the Durbin–Wu–Hausman test for endogeneity (Davidson & MacKinnon, 1993). Specifically, we
485 introduced *TeamMarketValue* as instrumental variable, represented by the total economic value of
486 team players. Results avoided endogeneity issues.

487 *“Insert Table 1 about here”*

488 Table 2 presents the results of the regression analyses. Model 1 only includes the effects of the
489 control variables on team performance, Model 2 the effects of *NewPlayers* and Model 3 the
490 quadratic effects of *NewPlayers*.

491 *“Insert Table 2 about here”*

492 In line with H2, we consider only the linear effects of both *AcquiredPlayers* and *LoanedPlayers*.
493 However, when including the squared terms, these are insignificant, thus supporting our initial
494 assumption. Model 4 includes the distinct effects of *LoanedPlayers* and *AcquiredPlayers* while
495 Models 5 and 6 report the contingency effects of *TeamManagerAccomplishments* on *NewPlayers*,
496 *LoanedPlayers* and *AcquiredPlayers* respectively. Lower values of *TableRanking* indicate better

497 relative competitive performance while a negative coefficient indicates a positive effect (and vice
498 versa).

499 Regarding the control variables, Model 1 shows that both *RosterSize* ($\beta = -0.033, p < 0.001$) and
500 *RosterAge* ($\beta = -0.050, p < 0.05$) exert a negative effect on team performance, signaling that a large
501 number of members may entail excessive coordination costs (Cohen et al., 1996), which may in
502 turn hamper the competitive results, while old members may reduce the team's capability to
503 respond to new stimuli and extensive workloads (Timmerman, 2000). However, the latter appears
504 unstable, as shown for instance in Model 6 ($\beta = -0.034, p < 0.1$). In line with existing literature
505 (e.g., Ertug & Castellucci, 2012), *OrganizationalReputation* ($\beta = 0.032, p < 0.001$) exerts a positive
506 effect on *TableRanking* along with *StadiumSeats* ($\beta = 9.06e-6, p < 0.001$). By contrast, *NetTransfer*
507 consistently exerts a non-significant effect across the models ($\beta = -0.002, p < 0.1$) along with the
508 two proximity measures *CulturalProximity* ($\beta = -0.215, p > 0.1$) and *OrganizationalProximity* ($\beta =$
509 $0.054, p > 0.1$). Regarding the role of human capital, we first observe that the control variable
510 *RosterQuality*, representing the team's overall human capital, exerts a positive effect throughout
511 the models ($\beta = 0.025, p < 0.01$). This emphasizes that increases in players' human capital translates
512 into superior *TableRanking*.

513 Regarding the specific role of new players, Models 2 and 3 show that *NewPlayers* has a significant
514 linear and negative effect on *TableRanking* ($\beta = -0.041, p < 0.05$ in Model 3). This negative effect
515 disappears with the moderation of *TeamManagerAccomplishments* in Model 5 and, more
516 importantly, splits into two when recognizing the difference between short-term and long-term
517 newcomers in Model 6. Specifically, *LoanedPlayers* is negatively related to *TableRanking* ($\beta = -$
518 $0.021, p < 0.05$) and *AcquiredPlayers* is not associated with any significant effect. These results do
519 not support H1, which assumes a quadratic (inverted-U shape) relationship between new players

520 and championship ranking, yet interestingly support H2 in showing that the effect of loans is more
521 negative than long-term acquisitions. This means that *Serie A* organizations (i) do not achieve
522 negative or positive effects when they acquire new players; and (ii) might need to expect weaker
523 growth when they invest in loans.

524 Regarding the role of head coaches' human capital, Model 6 shows that
525 *TeamManagerAccomplishments* is positively related to *TableRanking* ($\beta = 0.040, p < 0.05$), thus
526 supporting H3. However, *TeamManagerAccomplishments* negatively moderates the effect of
527 *NewPlayers* ($\beta = -0.004, p < 0.01$); the empirical results does not support H4. The moderation is
528 negative also for both *LoanedPlayers* ($\beta = -0.009, p < 0.05$) and *AcquiredPlayers* ($\beta = -0.004, p$
529 < 0.05); the empirical results support H5 in showing that the moderation is more negative for loaned
530 players than acquired ones. This means that *Serie A* organizations (i) achieve superior growth when
531 they rely on team managers with more experiences of previous success (as this arguably
532 approximates their skills and knowledge), but (ii) might need to expect a weaker impact of new
533 players under managers with more experiences of previous success. To test the robustness of our
534 findings, we operationalize the dependent variable differently. Using the measure that Szymanski
535 and Smith (1997) suggest, we also operationalize team performance as:

$$538 \quad TeamPerformance_{it} = \ln \left(\frac{CompetingTeams_t + 1 - TeamRank_{it}}{TeamRank_{it}} \right)$$

536 where *CompetingTeams_t* is the number of teams competing in *Serie A* in season *t* and *TeamRank_{it}*
537 is the ranking of team *i* in season *t*. Adopting this measurement confirmed our overall results.

539 DISCUSSION

540 Previous entrepreneurship research has studied the human capital of entrepreneurs, arguing that
541 individuals with more knowledge, skills and abilities make 'better' decisions regarding firm

542 survival and growth (Marvel et al., 2014; Rauch & Rijdsdijk, 2013; Unger et al., 2011). Our
543 understanding of the entrepreneurship of human capital remains instead vague. To address this
544 gap, we focused on how entrepreneurial orientations linked with the discovery and deployment of
545 new talents influence performance. Previous studies found that a greater ‘stock’ of human capital
546 supports superior performances (Crook et al., 2011). In this paper we looked at the ‘flow’ of new
547 talents to investigate if organizations with more proactive, risk-taking, innovative and aggressive
548 orientations outperform rivals (with comparable human capital). If so, organizations should not
549 just focus on resource configuration, but also on its constant renewal. The professional sport sector
550 represented an ideal setting to generate theory on this topic. Players’ human capital represents the
551 key opportunity acted upon by sport directors to achieve new market niches. Like CEOs in firms,
552 sport directors are delegated by owners to develop and act upon the ‘vision of the future’ for the
553 soccer club. With decisions on new technologies, structures and rules out of their control, the
554 entrepreneurial orientation of sport directors manifest itself in the discovery of new talents, and in
555 the selection of team managers for their deployment. Based on our results, we provide three main
556 insights.

557 First, we suggest that entrepreneurs do not risk with ‘too much’ human capital, but risk with ‘too
558 many’ talents. The survival and growth of soccer organizations appears relatively indifferent to
559 the composition of talents: the number of new players (differently from Hypothesis 1), cultural
560 and organizational proximity of players are not correlated to championship ranking. Rather, the
561 linearly positive relationship between roster quality and table ranking suggests that - as far as the
562 overall quality of human capital increases – organizations can expect greater chances of survival
563 and growth. This resonates with Crook et al. (2011), arguing that superior human capital generates
564 superior competitive advantages. A resource-based view might suggest that players’ human capital

565 is a unique asset that yields competitive advantages. Conversely, organizations which accumulate
566 ‘too many’ talents reduce their capability to survive, grow and succeed. The negative relationship
567 between team size and rankings can be explained in two ways, i.e. (i) larger groups of talents are
568 more likely to enter into interpersonal conflicts as they compete for a limited and non-negotiable
569 amount of roster spots; and (ii) the decision-making of team managers is complicated by the
570 existence of ‘too many’ options.

571 Second, our study looked into the discovery and acquisition of new talents as the expression of the
572 entrepreneurial orientation of sport directors. The hypothesis of curvilinear relations between
573 roster acquisitions and final ranking was not supported, as the number of new talents had no
574 significant impact. To interpret this result, we suggest that certain initiatives neutralized the risks
575 and opportunities attached to the discovery and deployment of new talents. Specifically, new
576 talents brought along opportunities of *variety*, i.e. differences in expertise, functional background
577 and experiences, and the risks of *separation*, i.e. differences in beliefs, values and cultures
578 (Harrison and Klein, 2007). Variety increases creativity and performances, as individuals possess
579 non-redundant knowledge and decision-making becomes more flexible; separation decreases
580 performances, as individuals engage with interpersonal conflicts and are less cohesive.
581 Opportunities of variety are balanced with the risks of separation or, as we suspect, both are
582 lessened by institutional and organizational factors. The role of socialization tactics is especially
583 intriguing. Our model did not include variables on socialization tactics, as they are common
584 practice across all *Serie A* teams. Indeed, all teams engage with induction events, training camps,
585 weekly trainings and match-day preparations, which are meant to adjust new players with the ‘old
586 guard’ and curtail the risks of different values and cultures (Ashforth et al., 2007; Bauer et al.,
587 2007). Arguably, these tactics generate *compliance* to top-down sets of rules and role assignments

588 that they cushion the positive effects of individual creativity and productivity. This resonates with
589 theories of conformity and cognitive lock-in in organizational behavior studies (Gargiulo &
590 Benassi, 2000), according to which individuals in new social contexts pursue stability and
591 acceptance from the ‘old guard’ as their primary objective (Cable et al., 2013).

592 In partial revision to this, the empirical results about Hypothesis 2 suggest that the acquisition of
593 new players through short-term loans can introduce additional risks. To interpret this result, we
594 take inspiration from earlier organizational behavior research, according to which newcomers have
595 lower motivations to integrate with old-timers when they expect to leave the organization soon;
596 and similarly old-timers have fewer motivations to integrate them into the team (Rink et al., 2013).
597 The separation of values, beliefs and cultures is accentuated by the different affiliation of players,
598 as the old guard and the acquired new players both ‘belong’ to the organization, while the loaned
599 new players belong to other employers. When this happens, loaned players (i.e. employees with
600 short-term contracts) are likely to focus on the transactional rather than psychological aspects of
601 their contracts, hence optimizing their individual performance and their visibility regardless of
602 collective goals (Rousseau, 1990).

603 Third, the number of past accomplishments is a good proxy to measure the capacity of team
604 managers to exploit the human capital of the roster. Yet, accomplished managers introduced
605 peculiar risks in the exploitation of new players. On the upside, we find evidence that organizations
606 with more accomplished team managers achieved superior table rankings (as expected by
607 Hypothesis 3). We interpret this result along with prior research on the effect of past successes on
608 entrepreneurial skills. Indeed, past accomplishments not only represent a proxy of
609 discovery/exploitation skills, but also represent events that (i) energize and inform the decision-
610 making of individuals and (ii) increase their referent power toward players (Zinko et al., 2012).

611 On the downside, we found a negative moderation between the selection of team managers with
612 more accomplishments and the acquisition of new players (differently from Hypothesis 4). We
613 suggest that the negative moderation is consistent with a hypothesis of *conformity* for both team
614 managers and new players. Based on their past successes, team managers might be more likely to
615 replicate their routines and tactics regarding the socialization of new players – as they expect to
616 replicate victories. Their possible rigidity might clash with new players, while less established
617 team managers are more flexible – and perhaps more exposed to the ‘star power’ of new players.
618 On the other hand, new players respond to managers’ referent power by pre-empting any attempt
619 to experiment with new ideas and behaviors and/or emulating managers as role models. The greater
620 a manager’s referent power, the more employees (embedded in compliance culture/tactics) assume
621 follower behaviors (Groves, 2005). Team managers’ referent power is arguably enforced in the
622 context of strong socialization tactics (e.g. training camps) that centralize decision-making (e.g.,
623 players are asked to adhere to specific tactics and individual roles) and make clear separations
624 between roles (Zhang, 2017). In such contexts, new players are located in a subordinate position
625 and become less likely to think and act ‘outside of the box’. Noticeably, the moderation between
626 the selection of team managers with more accomplishments and the acquisition of new players is
627 (slightly) less negative for new players with short term contracts. This is consistent with
628 Hypothesis 5, i.e. short-term newcomers who expect to leave soon are less likely to conform to the
629 values and practices of the hiring organizations, and thus (slightly) more likely to act “outside of
630 the box”. Yet, even for these new players, conformity to top-down decisions seems to represent
631 the rule. Indeed, in practice, hired players who do not adjust to the new organizations would just
632 be benched.

633 **Implications for theory**

634 The field of professional sport competitions represents an ideal setting to observe behaviors and
635 practices around the discovery, acquisition and deployment of new talents. Talents such as
636 scientists, designers and experts are more than resources; they generate new opportunities for
637 firms, which shape their ‘vision for the future’ around their human capital. Complementing
638 theories explaining the strategic value of human capital through the resource-based view (Crook
639 et al., 2011), we looked at the entrepreneurial opportunities linked with the discovery and
640 deployment of new talents.

641 Our first contribution relates to the theory of human capital in entrepreneurship (Marvel et al.,
642 2014; Unger et al., 2011). Earlier research considered the human capital of employees mostly from
643 a strategic point of view, i.e. using the resource-based view to explain the link between the ‘stock’
644 of human capital and performance. Differently, our study shows an important distinction between
645 the “stock” and the “flow” of human capital – the former represented by the roster quality and thus
646 the available pool of talents, while the latter by the discovery and introduction of new talents in
647 the organization. Our model highlights that they provide distinct effects on firm survival and
648 growth. The former provides the basis for competitive advantage (both strategically and tactically),
649 while the latter provides the basis for venturing into new market niches. For example, while the
650 roster quality might explain which team is more likely to win the competition, the discovery of
651 new talents might explain why a mid-table team immediately becomes a contender. Our results
652 confirm that the ‘short supply’ and ‘semi-permanent tenure’ of talents create a gulf with
653 competitors and guarantee at the very least survival in the market (e.g. high-status organizations
654 such as Juventus FC, AC Milan and FC Inter do not even consider the chances of relegation). Our
655 results provide instead a more cautious view about the success of entrepreneurial orientations
656 focused on high innovation, proactiveness and competitive aggressiveness. We highlight how

657 these do not translate into superior (or inferior) performances, as apparently the opportunities and
658 risk of discovering/deploying new talents are softened by external conditions or internal practices.
659 This connects to our second contribution, which relates to the literature on entrepreneurial
660 orientation (Covin & Lumpkin, 2011; Lumpkin & Dess, 1996; Rosenbusch et al., 2013). Earlier
661 studies have suggested that high innovation, proactiveness, risk-taking and competitive
662 aggressiveness is related to superior performances (Rauch et al., 2009), although recent meta-
663 analyses are emphasizing that this link is context-dependent (Rosenbusch et al., 2011). In the
664 specific context of professional sport entrepreneurship, our results are consistent with the latter
665 argument, as the link between entrepreneurial orientation (measured by the discovery of new
666 talents) and performance was non-significant. On the upside, this suggests that the discovery of
667 “too many” talents does not have destabilizing effects, if organizations control for the level and
668 size of the overall human capital. On the downside, organizations did not gain added value from
669 the acquisition of new players – i.e. we found no evidence that a team with more discovery of new
670 talents systematically outperformed others with comparable human capital. We suggested that
671 socialization tactics might be one field-level explanation for this result. Every soccer organization
672 adopts training camps and similar initiatives, meant to adjust newcomers, reduce internal conflicts,
673 and align players to a common ‘vision of the future’. In doing so, socialization tactics generate the
674 *conformity* of talents to the organization. So, organizations can safely look at the human capital of
675 new players to increase their chances of winning, but their deployment does not per se produce
676 disruptive effects. The temporary acquisition of players might be an exception, as it could subtract
677 value from firms, arguably because leaving expectations and different affiliations increase the
678 separation of values, beliefs and interests among talents.

679 **Implications for practice**

680 The findings allow a broader discussion on the competition between big and established firms (e.g.
681 Juventus FC, AC Milan, FC Inter) and young (e.g. newly promoted) and less established ones (e.g.
682 Atalanta, Genoa), i.e. between wealthy and less affluent owners. Our findings highlight a scenario
683 in which the former can use their greater economic power to gain a long-term competitive
684 advantage against the others, because they can invest in new human capital and fear limited
685 negative repercussions. So, 'rich' organizations can (i) easily discover potential sources of
686 competitive advantages (e.g. from constant match observations via advanced scouting systems);
687 (ii) easily attract them (e.g. through the transfer market); and (iii) effectively exploit them (e.g.
688 through socialization tactics and team management). As a result, entrepreneurs might just use their
689 economic power to attract and retain their talents, and expect firm growth and survival. By contrast,
690 the chances of long-term growth for younger, less rich, and less established teams is thwarted by
691 their struggle to retain talents. The institutional properties of the field – i.e. high transparency of
692 human capital opportunities as players' skills are constantly visible and analyzed; fluid transfer
693 market as organizations can easily attract skilled individuals with contracts and fees – are likely to
694 generate barriers and opportunities for firm growth. On the one hand, established organizations
695 (e.g. Juventus FC, Bayern Munich) have enjoyed continued success because of the strength of their
696 ownership, and thus the capacity to attract and retain talents. On the other hand, organizations with
697 new ownerships (e.g. Red Bull Leipzig, Manchester City and Chelsea) have seemingly enjoyed
698 very rapid growth because money was heavily invested in new players. Differently, other
699 established and newly founded firms fail or live in a competitive 'limbo' as they lack the resources
700 to retain talents.

CONCLUSIONS

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Our study contributes to the debate on human capital in entrepreneurship studies. While previous research investigated the human capital of entrepreneurs, our study focused on the entrepreneurial orientation toward the discovery and deployment of new talents in the field of soccer organizations. Here, the discovery and exploitation of (players’) human capital is especially evident and transparent, as soccer organizations constantly innovate and take risks with the acquisition of new players. Our findings suggest differentiated effects of human capital stocks and flows on firms’ chances of survival, growth and success. This research cross-fertilizes concepts from strategy, organizational behavior and entrepreneurship studies to highlight the contributions of (i) greater stocks of human capital, which in conditions of short supply and semi-permanent tenure, can create a competitive gulf with others; (ii) greater flows of human capital, which may provide opportunities of ‘variety’ and risks of ‘separation’; and (iii) team managers with high-reputation, who may be appropriately equipped to deploy the talents of expert employees.

We believe that these considerations extend to any sector characterized by: (i) a key role of expert workers in determining firm growth (e.g. consultants, scientists, lawyers, artists); (ii) relatively ‘easy’ discovery of talents, either because performances are tangible (e.g. patents) and/or public (e.g. lawsuits). Consultancy, entertainment and professional firms exemplify organizations constantly engaged in the discovery, acquisition and exploitation of new talents - not unlike soccer clubs. Our findings suggest that entrepreneurs in established as well as newly founded firms can grow and succeed over time, if they keep their human capital “stock” high.

We recognize that our study has limitations that future research could usefully address for theory development. First, our cross-sectional approach does not allow causal inferences. Future studies can implement alternative approaches (e.g., ethnographies, case studies and grounded theory) to

724 advance knowledge in this regard. Second, we focus on a peculiar empirical setting. Related to
725 Bauer et al. (2007), we suggest testing the discovery and exploitation of human capital in contexts
726 characterized by different intensities and structures of socialization tactics, regulations, and
727 performances – in order to further refine theory in this regard. Alternatively, future research could
728 test our propositions on conformity and careerism through models that explicitly include their
729 measures. Other mediating and moderating factors may also improve our theoretical contributions,
730 most notably, team leadership characteristics of team managers (e.g., style). Finally, we suggest
731 future research to expand analysis on the entrepreneurship behaviors in sport environments. We
732 noted that earlier research has sometimes investigated the decision-making of team managers and
733 players or, conversely, the institutional entrepreneurship of sport leagues (e.g. Wright & Zammuto,
734 2011). We remark again the need to expand these two research streams, as well as connect them
735 through more extended analyses of the entrepreneurial behavior of sport organizations, e.g. how
736 they discover and exploit opportunities related to the human, social and technological capital (e.g.
737 Marino et al., 2016), and how sport-related and financial goals inform the decision-making of
738 owners and top managers.

739 REFERENCES

- 740 Ashforth, B.E., Sluss, D.M., Saks, A.M. (2007). Socialization tactics, proactive behavior, and newcomer
741 learning: Integrating socialization models. *Journal of Vocational Behavior*, 70(3): 447-462.
- 742 Baron, R.A., & Henry, R.A. (2010). How entrepreneurs acquire the capacity to excel: Insights from research
743 on expert performance. *Strategic Entrepreneurship Journal*, 4(1), 49-65.
- 744 Bauer, T.N., Bodner, T., Erdogan, B., Truxillo, D.M., Tucker, J.S. (2007). Newcomer adjustment during
745 organizational socialization: a meta-analytic review of antecedents, outcomes, and methods.
746 *Journal of Applied Psychology*, 92(3), 707-721.
- 747 Benson, A.J., Evans, M.B. & Eys, M.A. (2016). Organizational socialization in team sport environments.
748 *Scandinavian Journal of Medicine & Science in Sports*, 26, 463-473.
- 749 Berman, S.L., Down, J., & Hill, C.W. (2002). Tacit knowledge as a source of competitive advantage in the
750 National Basketball Association. *Academy of Management Journal*, 45(1), 13-31.
- 751 Beus, J.M., Jarrett, S.M., Taylor, A.B. & Wiese, C.W. (2014). Adjusting to new work teams: Testing work
752 experience as a multidimensional resource for newcomers. *Journal of Organizational Behavior*,
753 35(4), 489-506.
- 754 Boschma, R.A. (2005). Proximity and innovation: A critical assessment. *Regional Studies*, 39(1), 61-74.

- 755 Brannick, M.T., Salas, E., Prince, C.W. (1997). *Team performance assessment and measurement: Theory,*
756 *methods, and applications.* New Jersey: Psychology Press.
- 757 Cable, D.M., Gino, F. & Staats, B.R. (2013). Breaking them in or eliciting their best? Reframing
758 socialization around newcomers' authentic self-expression. *Administrative Science Quarterly,*
759 *58(1), 1-36.*
- 760 Capaldo, A. & Messeni Petruzzelli, A. (2011). In search of alliance-level relational capabilities: Balancing
761 innovation value creation and appropriability in R&D alliances. *Scandinavian Journal of*
762 *Management, 27(3), 273-286.*
- 763 Cattani, G. & Ferriani, S. (2008). A core/periphery perspective on individual creative performance: Social
764 networks and cinematic achievements in the Hollywood film industry. *Organization Science, 19(6),*
765 *824–844.*
- 766 Cattani, G., Ferriani, S., Mariani, M.M. & Mengoli, S. (2013). Tackling the “Galácticos” effect: team
767 familiarity and the performance of star-studded projects. *Industrial and Corporate Change, 22(6),*
768 *1629-1662.*
- 769 Cohen, P., J. Cohen, S. G. West & L. S. Aiken. (2003). *Applied multiple regression/correlation analysis*
770 *for the behavioral sciences* (3rd edn.). Hillsdale, NJ: Erlbaum.
- 771 Covin, J. G., & Lumpkin, G. T. (2011). Entrepreneurial orientation theory and research: Reflections on a
772 needed construct. *Entrepreneurship Theory and Practice, 35(5), 855-872.*
- 773 Covin, J.G., & Miles, M.P. (1999). Corporate entrepreneurship and the pursuit of competitive advantage.
774 *Entrepreneurship Theory and Practice, 23(3), 47-47.*
- 775 Crook, T.R., Todd, S.Y., Combs, J.G., Woehr, D.J. & Ketchen Jr, D.J. (2011). Does human capital matter?
776 A meta-analysis of the relationship between human capital and firm performance. *Journal of*
777 *Applied Psychology, 96(3), 443-456.*
- 778 Davidson, R. & MacKinnon, J.G. (1993). *Estimation and Inference in Econometrics.* New York: Oxford
779 University Press.
- 780 De Cuyper, N., De Jong, J., De Witte, H., Isaksson, K., Rigotti, T. & Schalk, R. (2008). Literature review
781 of theory and research on the psychological impact of temporary employment: Towards a
782 conceptual model. *International Journal of Management Reviews, 10(1), 25-51.*
- 783 Deloitte (2016). Top of the table. Football Money League. Retrieved from <https://www.deloitte.com/>
- 784 Di Minin, A., Frattini, F., Bortoluzzi, G., Piccaluga, A. Bianchi, M. (2014). Udinese Calcio soccer club as
785 a talents factory: Strategic agility, diverging objectives, and resource constraints. *European*
786 *Management Journal, 32(2), 319-336.*
- 787 Dietl, H., Franck, E., & Lang, M. (2008). Over-investment in team sports leagues: A contest theory model.
788 *Scottish Journal of Political Economy, 55(3), 353–368*
- 789 Dimov, D. (2011). Grappling with the unbearable elusiveness of entrepreneurial opportunities.
790 *Entrepreneurship Theory and Practice, 35(1), 57-81.*
- 791 Dirks, K.T. (2000). Trust in leadership and team performance: Evidence from NCAA basketball. *Journal*
792 *of Applied Psychology, 85, 1004-1012.*
- 793 Ertug, G. & Castellucci, F. (2013). Getting what you need: How reputation and status affect team
794 performance, hiring, and salaries in the NBA. *Academy of Management Journal, 56(2), 407-431.*
- 795 Fagenson-Eland, E. (2001). The National Football League's Bill Parcells on winning, leading, and turning
796 around teams. *Academy of Management Executive, 15(3), 48-55.*
- 797 Ferriani, S., Cattani, G. & Baden-Fuller, C. (2009). The relational antecedents of project-entrepreneurship:
798 Network centrality, team composition and project performance. *Research Policy, 38(10), 1545-*
799 *1558.*
- 800 FIGC (2016). The Income Statement of the Italian Football Available at:
801 http://www.figc.it/other/2016_1102_Studio_Val_Econ_Calcio_Ital_Vers_ENG_Lr.pdf
- 802 Forbes, D.P., Borchert, P.S., Zellmer-Bruhn, M.E. & Sapienza, H.J. (2006). Entrepreneurial team
803 formation: An exploration of new member addition. *Entrepreneurship Theory and Practice, 30(2),*
804 *225-248.*

- 805 Frick, B., Barros, C.P., & Prinz, J. (2010). Analysing head coach dismissals in the German “Bundesliga”
806 with a mixed logit approach. *European Journal of Operational Research*, 200(1), 151-159.
- 807 Gargiulo, M. & Benassi, M. (2000). Trapped in your own net? Network cohesion, structural holes, and the
808 adaptation of social capital. *Organization Science*, 11(2), 183-196.
- 809 Gerrard, B. (2000). Media Ownership of Pro Sports Teams: Who are the Winners and Losers? *International*
810 *Journal of Sports Marketing and Sponsorship*, 2(3), 20 – 39.
- 811 Grove, H., & Cook, T. (2011). Whitetracks Design, Inc. *Entrepreneurship Theory and Practice*, 35(4), 831-
812 848.
- 813 Groves, K.S. (2005). Linking leader skills, follower attitudes, and contextual variables via an integrated
814 model of charismatic leadership. *Journal of Management*, 31, 255-277.
- 815 Hausman, J.A., Hall, B.H., Griliches, Z. (1984). Econometric models for count data with an application to
816 the patents–R&D relationship. *Econometrica*, 52(4), 902-938.
- 817 Hitt, M.A., Biermant, L., Shimizu, K. & Kochhar, R. (2001). Direct and moderating effects of human capital
818 on strategy and performance in professional service firms: A resource-based perspective. *Academy*
819 *of Management Journal*, 44(1), 13-28.
- 820 Hofstede, G. (1980). *Culture’s consequences: International differences in work-related values*. Beverly
821 Hills, CA: Sage.
- 822 Hofstede, G. (2001). *Culture’s consequences: Comparing values, behaviors, institutions and organizations*
823 *across nations* (2nd Ed.). Thousand Oaks, CA: Sage.
- 824 Kim, Y., & Ployhart, R.E. (2014). The effects of staffing and training on firm productivity and profit growth
825 before, during, and after the Great Recession. *Journal of Applied Psychology*, 99(3), 361-389.
- 826 Kleinbaum, D.G., Lawrence, L.K., Muller, K.E., Nizam, A. (1998). *Applied regression analysis and other*
827 *multivariable methods*. Pacific Grove, CA: Brooks/Cole.
- 828 Koenigstorfer, J., Groeppel-Klein, A. & Kunkel, T. (2010) The attractiveness of national and international
829 football leagues: Perspectives of fans of “star clubs” and “underdogs”. *European Sport*
830 *Management Quarterly*, 10(2), 127-163.
- 831 Kogut, B. & Singh, H. (1988). The effect of national culture on the choice of entry mode. *Journal of*
832 *International Business Studies*, 19(3), 411-432.
- 833 Kuratko, D.F., Ireland, R.D., Covin, J.G., & Hornsby, J. S. (2005). A Model of Middle-Level Managers’
834 Entrepreneurial Behavior. *Entrepreneurship theory and practice*, 29(6), 699-716.
- 835 Lau, D., Murnighan, J.K. (1998). Demographic diversity and faultlines: The compositional dynamics of
836 organizational groups. *Academy of Management Review*, 23, 325–340.
- 837 Lavie, D. & Miller, S.R. (2008). Alliance portfolio internationalization and firm performance. *Organization*
838 *Science*, 19(4), 623-646.
- 839 Lumpkin, G.T., & Dess, G. G. (1996). Clarifying the entrepreneurial orientation construct and linking it to
840 performance. *Academy of management Review*, 21(1), 135-172.
- 841 Marvel, M.R. & Lumpkin, G.T. (2007). Technology entrepreneurs' human capital and its effects on
842 innovation radicalness. *Entrepreneurship Theory and Practice*, 31(6), 807-828.
- 843 Marvel, M.R., Davis, J.L. & Sproul, C.R. (2014). Human capital and entrepreneurship research: A critical
844 review and future directions. *Entrepreneurship Theory and Practice*, DOI: 10.1111/etap.12136
- 845 Mathieu, J.E., Tannenbaum, S.I., Donsbach, J.S., Alliger, G.M. (2014). A review and integration of team
846 composition models moving toward a dynamic and temporal framework. *Journal of Management*,
847 40(1), 130-160.
- 848 Murao, P.R. (2016). Soccer transfers, team efficiency and the sports cycle in the most valued European
849 soccer leagues – have European soccer teams been efficient in trading players? *Applied Economics*,
850 48(56), 5513-5524.
- 851 Park, S.-H., Mahony, D., & Kim, Y. K. (2011). The role of sport fan curiosity: A new conceptual approach
852 to the understanding of sport fan behavior. *Journal of Sport Management*, 25, 46–56.
- 853 Perretti, F. & Negro, G. (2007). Mixing genres and matching people: a study in innovation and team
854 composition in Hollywood. *Journal of Organizational Behavior*, 28(5), 563-586.

- 855 Ramos-Villagrasa, P.J., Navarro, J. & Garcia-Izquierdo, A.L. (2012). Chaotic dynamics and team
856 effectiveness: Evidence from professional basketball. *European Journal of Work and*
857 *Organizational Psychology*, 21, 778-802.
- 858 Ratten, V. (2010). Developing a theory of sport-based entrepreneurship. *Journal of Management &*
859 *Organization*, 16(4), 557-565.
- 860 Rauch, A. & Rijdsdijk, S.A. (2013). The effects of general and specific human capital on long-term growth
861 and failure of newly founded businesses. *Entrepreneurship Theory and Practice*, 37(4), 923-941.
- 862 Rauch, A., Frese, M. & Utsch, A. (2005). Effects of human capital and long-term human resources
863 development and utilization on employment growth of small-scale businesses: A causal analysis.
864 *Entrepreneurship Theory and Practice*, 29(6), 681-698.
- 865 Rauch, A., Wiklund, J., Lumpkin, G.T., & Frese, M. (2009). Entrepreneurial orientation and business
866 performance: An assessment of past research and suggestions for the future. *Entrepreneurship*
867 *theory and practice*, 33(3), 761-787.
- 868 Rink, F.A. & Ellemers, N. (2009). Temporary versus permanent group membership: How the future
869 prospects of newcomers affect newcomer acceptance and newcomer influence. *Personality and*
870 *Social Psychology Bulletin*, 35(6), 764-775.
- 871 Rink, F.A., Kane, A.A., Ellemers, N. & Van Der Vegt, G. (2013). Team receptivity to newcomers: Five
872 decades of evidence and future research themes. *Academy of Management Annals*, 7(1), 247-293.
- 873 Risaliti, G. & Verona, R. (2012). Players' registration rights in the financial statements of the leading Italian
874 clubs: A survey of Inter, Juventus, Lazio, Milan and Roma. *Accounting, Auditing & Accountability*
875 *Journal*, 26(1), 16-47.
- 876 Rosenbusch, N., Brinckmann, J., & Bausch, A. (2011). Is innovation always beneficial? A meta-analysis
877 of the relationship between innovation and performance in SMEs. *Journal of Business Venturing*,
878 26(4), 441-457.
- 879 Rosenbusch, N., Rauch, A., & Bausch, A. (2013). The mediating role of entrepreneurial orientation in the
880 task environment–performance relationship: A meta-analysis. *Journal of Management*, 39(3), 633-
881 659.
- 882 Rousseau, D.M. (1990). New hire perceptions of their own and their employer's obligations: A study of
883 psychological contracts. *Journal of Organizational Behavior*, 11(5), 389-400.
- 884 Shane, S.A. (2003). *A general theory of entrepreneurship: The individual-opportunity nexus*. Edward Elgar
885 Publishing.
- 886 Shaw, J.D., Park, T.Y. & Kim, E. (2013). A resource-based perspective on human capital losses, HRM
887 investments, and organizational performance. *Strategic Management Journal*, 34(5), 572-589.
- 888 Stasser, G. & Titus, W. (2003). Hidden profiles: A brief history. *Psychological Inquiry*, 14(3-4), 304-313.
- 889 Stewart, G.L. (2006). A meta-analytic review of relationships between team design features and team
890 performance. *Journal of Management*, 32(1), 29-55.
- 891 Szymanski, S. & Smith, R. (1997). The English Football Industry: profit, performance and industrial
892 structure, *International Review of Applied Economics*, 11(1), 135-153
- 893 Terjesen, S.A. (2016). The Right Stuff: A NASA Technology-Based New Venture and the Search for
894 Markets on Earth. *Entrepreneurship Theory and Practice*, 40(3), 713-726.
- 895 Timmerman, T.A. (2000). Racial diversity, age diversity, interdependence, and team performance. *Small*
896 *Group Research*, 31(5), 592-606.
- 897 Unger, J.M., Rauch, A., Frese, M. & Rosenbusch, N. (2011). Human capital and entrepreneurial success:
898 A meta-analytical review. *Journal of Business Venturing*, 26(3), 341-358.
- 899 Wagner, S. (2010). Managerial succession and organizational performance—evidence from the German
900 Soccer League. *Managerial and Decision Economics*, 31(6), 415–430.
- 901 West, M.A., Borrill, C.S., Dawson, J.F., Brodbeck, F., Shapiro, D.A. & Haward, B. (2003). Leadership
902 clarity and team innovation in health care. *Leadership Quarterly*, 14, 393-410.
- 903 Wolfe, M.T., & Shepherd, D. A. (2015). “Bouncing Back” From a Loss: Entrepreneurial Orientation,
904 Emotions, and Failure Narratives. *Entrepreneurship Theory and Practice*, 39(3), 675-700.

905 Wright, P.M., Smart, D.L. & McMahan, G.C. (1995). Matches between human resources and strategy
906 among NCAA basketball teams. *Academy of Management Journal*, 38(4), 1052-1074.
907 Wright, M., Hmieleski, K.M., Siegel, D.S. & Ensley, M.D. (2007). The role of human capital in
908 technological entrepreneurship. *Entrepreneurship Theory and Practice*, 31(6), 791-806.
909 Zinko, R., Ferris, G.R., Blass, F.R. & Laird, M.D. (2007). Toward a theory of reputation in organizations.
910 *Research in Personnel and Human Resources Management*, 26, 163-204.
911 Zhang, L. (2017). A Fair Game? Racial bias and repeated interaction between NBA coaches and players.
912 *Administrative Science Quarterly*, in press.
913 Zinko, R., Ferris, G.R., Humphrey, S.E., Meyer, C.J. & Aime, F. (2012). Personal reputation in
914 organizations: Two-study constructive replication and extension of antecedents and consequences.
915 *Journal of Occupational and Organizational Psychology*, 85(1), 156-180.
916

Table 1

Descriptive statistics and correlation matrix ($n = 342$)

Variables	M	SD	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. TableRanking	-10.03	5.53	1.00													
2. NewPlayers	10.64	.42	-0.40***	1.00												
3. LoanedPlayers	2.37	2.73	-0.37***	0.58***	1.00											
4. AcquiredPlayers	8.27	3.57	-0.21***	0.79***	0.04	1.00										
5. TeamManagerAccomplishments	2.28	3.97	-0.32***	0.21***	0.28***	0.05	1.00									
6. OrganizationalReputation	4.03	7.00	-0.50***	0.18***	0.18***	0.09 [†]	0.30***	1.00								
7. CulturalProximity	0.11	0.13	-0.14**	0.17**	0.15**	0.10 [†]	0.05	0.15**	1.00							
8. OrganizationalProximity	1.41	0.71	-0.47***	0.55***	0.22***	0.52***	0.30***	0.44***	0.07	1.00						
9. RosterSize	31.58	4.57	-0.13*	0.41***	0.37***	0.23***	0.02	0.11*	0.34***	0.04	1.00					
10. RosterAge	25.54	1.26	-0.06	0.01	0.13*	0.09	0.03	0.21***	0.01	0.24***	0.11*	1.00				
11. RosterQuality	5.34	6.30	-0.53***	0.17**	0.01	0.21***	0.23***	0.69***	0.24***	0.63***	-0.17**	0.41***	1.00			
12. StadiumSeats	40,525	21,339	-0.55***	0.26***	0.26***	0.13*	0.37***	0.36***	0.18**	0.46***	0.10 [†]	0.15**	0.55***	1.00		
13. Penalization	0.026	0.16	-0.14**	0.01	0.00	0.01	0.03	0.09	0.04	0.08	0.04	0.10 [†]	0.16**	0.09 [†]	1.00	
14. NetTransfer	3.58	22.66	-0.27***	0.03	0.14**	0.07	-0.31***	0.34***	0.05	0.14*	0.00	0.10 [†]	-0.23***	0.31***	0.04	1.00

[†] $p < 0.1$; * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$.

Table 2
Regression models

Dependent variable: TableRanking	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
NewPlayers		-0.015* (0.007)	-0.041* (0.020)		-0.011 (0.007)	
NewPlayers ²			0.001 (0.001)			
LoanedPlayers				-0.026** (0.009)		-0.021* (0.010)
AcquiredPlayers				-0.008 (0.008)		-0.004 (0.008)
TeamManagerAccomplishments					0.040** (0.016)	0.040* (0.016)
NewPlayers x TeamManagerAccomplishments					-0.004** (0.001)	
LoanedPlayers x TeamManagerAccomplishments						-0.009* (0.004)
AcquiredPlayers x TeamManagerAccomplishments						-0.004* (0.002)
OrganizationalReputation	0.032*** (0.008)	0.031*** (0.008)	0.031*** (0.008)	0.028*** (0.008)	0.031*** (0.008)	0.028*** (0.008)
CulturalProximity	-0.215 (0.186)	-0.257 (0.187)	-0.283 (0.187)	-0.254 (0.185)	-0.251 (0.185)	-0.257 (0.183)
OrganizationalProximity	0.054 (0.050)	-0.019 (0.061)	-0.026 (0.061)	0.004 (0.062)	-0.035 (0.061)	-0.013 (0.061)
RosterSize	-0.033*** (0.005)	-0.027*** (0.006)	-0.028*** (0.006)	-0.025*** (0.006)	-0.026*** (0.006)	-0.025*** (0.006)
RosterAge	-0.050* (0.020)	-0.042* (0.020)	-0.043 (0.020)	-0.040* (0.020)	-0.040* (0.020)	-0.034† (0.020)
RosterQuality	0.025** (0.008)	0.028** (0.009)	0.028** (0.009)	0.031*** (0.009)	0.026** (0.009)	0.030*** (0.009)
StadiumSeats	9.06e-6*** (0.000)	8.44e-6*** (0.000)	8.60e-6*** (0.000)	7.81e-6*** (0.000)	8.88e-6*** (0.000)	8.37e-6*** (0.000)
Penalization	0.260 (0.171)	0.271 (0.170)	0.284† (0.170)	0.279 (0.170)	0.271 (0.169)	0.278† (0.168)
NetTransfer	-0.002† (0.001)	-0.002† (0.001)	-0.002† (0.001)	-0.002† (0.001)	-0.002* (0.001)	-0.002† (0.001)
Log likelihood	-919.45	-917.32	-916.31	-916.01	-913.50	-910.82
Wald- χ^2	195.60	199.60	200.85	209.91	205.27	219.90
Improvement over base model ($\Delta\chi^2$)	-	4.00	5.25	14.31	9.67	24.30
No. of Obs.	342	342	342	342	342	342

Standard errors reported in parentheses. † $p < 0.1$; * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$.