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Collaboration in Scientific Research: The Views and Practices of Researchers in the College of Sciences, Massey University, Turitea Campus. A Case Study

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ABSTRACT

Collaboration in scientific research has been increasing steadily for the last thirty years and it now characterises scientific research world-wide. New Zealand is part of this trend and this study looks at the collaboration in scientific research in one tertiary institution in New Zealand. As a mixed methods study it incorporates a survey of researchers and a number of semi-structured interviews. The researchers who participated in the study cover the full array of science disciplines and range in experience from early to late career researchers. Information on the institutional context has been gathered from the university’s key strategic plan, *The Road to 2020*, and from an interview with the Assistant Vice-Chancellor, Research & Enterprise, and the perspective of the funding agencies comes from interviews with senior officers of the four main research funding agencies. The findings suggest that researchers collaborate for a variety of reasons: for personal reasons because they enjoy working with others; for tactical reasons to increase the probability of getting funding; but overall they collaborate to get better outcomes. The funding agencies promote collaboration for quite different reasons. For them it is a mechanism to promote quality, to augment the science sector, and to ensure that New Zealand researchers can work with the best that the world has to offer. New Zealand researchers are members of an international community of scientific researchers and are active participants in what Martin Lord Rees calls the “unending quest of science; as its frontiers advance, new mysteries come into focus just beyond those frontiers” (p. 469, 2010). Just as the quest of science continues, the quest for understanding how “science is done” and finding new ways of “doing science” continues. Collaborating in research is one of those ‘new ways’ and whilst collaboration is now ubiquitous, the process of collaboration has not received a great deal of attention in the literature. As resources become leaner and demands for accountability stronger, there is a renewed interest in areas such as research competencies, the initial training of researchers and subsequent professional development, the composition of a research team, leadership of research teams, and management of research projects. This thesis concludes with a set of recommendations for researchers.
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4.2 Phase 1: Quantitative Phase: Survey ................................................................. 124
4.2.1 Demographic data of respondents ............................................................. 124
4.2.2 Collaboration within Massey University ....................................................... 127
4.2.3 Collaboration with researchers in other universities ................................... 129
4.2.4 Reasons for collaborating ........................................................................... 130
4.2.5 Characteristics of successful collaboration ................................................ 138
4.2.6 Value of collaboration to respondent’s research ......................................... 142
4.2.7 Reasons for Valuing Collaboration .............................................................. 143

4.3 Phase 2: Qualitative Phase: Interviews ............................................................ 145
4.3.1 Perspective of the researchers .................................................................... 146
4.3.1.1 Theme 1: General views on collaboration ............................................... 146
4.3.1.2 Theme 2: Drivers/reasons to collaborate ................................................... 147
4.3.1.3 Theme 3: Skills and competencies needed ............................................... 149
4.3.1.4 Theme 4: Forming a team for collaborative work. ................................... 151
4.3.1.5 Theme 5: Successful collaboration ......................................................... 152
4.3.2 Perspective of funding agencies .................................................................. 154
4.3.2.1 Ministry of Science and Innovation (MSI) (http://www.msi.govt.nz/) ......... 155
4.3.2.2 The Tertiary Education Commission (TEC) (http://www.tec.govt.nz/) ...... 155
4.3.2.3 The Health Research Council (HRC) (http://www.hrc.govt.nz/) ............. 155
4.3.2.4 The Marsden Fund (administered by the Royal Society on behalf of MSI) .... 156
4.3.2.5 Summary of interviews with funding agencies ........................................ 156
4.3.3 Summary .................................................................................................... 158

CHAPTER FIVE: DISCUSSION .................................................................................. 161

5.1 Introduction ...................................................................................................... 161

5.2 Extent of collaboration .................................................................................... 163

5.3 Views of collaboration ..................................................................................... 165

5.4 Drivers of collaboration ................................................................................... 167

5.5 The value of collaboration .............................................................................. 170

5.6 Elements of collaboration ............................................................................... 173
5.6.1 Teams and their composition ...................................................................... 173
5.6.2 Groups to teams ......................................................................................... 174
5.6.3 Challenges for teams .................................................................................. 175
5.6.3.1 Mixed objectives” ...................................................................................... 175
5.6.3.2 Leadership ............................................................................................... 178
5.6.3.3 Management ............................................................................................ 183
5.6.3.4 Team membership .................................................................................... 185
5.6.3.5 Mentoring ................................................................................................ 186
5.6.3.6 Training .................................................................................................... 187
5.6.3.7 Authorship protocols ............................................................................... 189

5.7 Successful collaboration ................................................................................... 190
5.7.1 Frequent communication ............................................................................. 192
5.7.2 Clear coordination and planning .................................................................. 193
5.7.3 Good leadership .......................................................................................... 194
5.7.4 Propensity to collaborate ............................................................................ 194

5.8 Summary .......................................................................................................... 196
CHAPTER SIX: CONCLUSION .............................................................................................................. 199

6.1 Introduction ........................................................................................................................ 199

6.2 Limitations of the study ....................................................................................................... 201

6.3 Summary of findings .......................................................................................................... 202
  6.3.1 Objective 1 ..................................................................................................................... 202
  6.3.2 Objective 2 ..................................................................................................................... 204
  6.3.3 Objective 3 ..................................................................................................................... 205
  6.3.4 Objective 4 ..................................................................................................................... 207
  6.3.5 Objective 5 ..................................................................................................................... 208

6.4 Recommendations: ............................................................................................................ 210
  6.4.1 Training and development ............................................................................................ 210
  6.4.1.1 Leadership, supervision, and management .............................................................. 210
  6.4.1.2 Mentoring and coaching ......................................................................................... 211
  6.4.1.3 Collaborative research skills and networking ......................................................... 212
  6.4.1.4 Teams and the processes and dynamics of collaborative research projects .......... 212
  6.4.2 Career management ...................................................................................................... 213
  6.4.3 Awareness of institutional support ............................................................................... 213
  6.4.4 Regionalisation ............................................................................................................. 213
  6.4.5 Authorship protocols .................................................................................................... 214
  6.4.6 Best practice .................................................................................................................. 214

6.5 Opportunities for future research ....................................................................................... 214
  6.5.1 Regionalisation ............................................................................................................. 214
  6.5.2 Professional development ............................................................................................. 215
  6.5.3 Academia and industry .................................................................................................. 215
  6.5.4 Collaborative scientific research process ..................................................................... 215
  6.5.5 Return on investment .................................................................................................... 216

6.6 Concluding comment ........................................................................................................ 216

REFERENCES ................................................................................................................................... 219

LIST OF APPENDICES ..................................................................................................................... 263
Appendix A: Examples of use of terms ‘collaboration’ and ‘cooperation’ ................................. 265
Appendix B: Typology of collaboration (O’ Sullivan, 2010) ....................................................... 269
Appendix C: Belbin team roles .................................................................................................. 270
Appendix D: Researcher Development Framework (RDF) .......................................................... 273
Appendix E: Factors that lead to success in collaborative research ......................................... 275
Appendix F: Ethics approval for this study .................................................................................. 277
Appendix G: Letter to PVC Anderson seeking approval to undertake this survey ..................... 279
Appendix H: Approvals to survey and interview ....................................................................... 283
Appendix I: Letter to academic staff, College of Sciences seeking participation ....................... 285
Appendix J: Letter to thank survey respondents ....................................................................... 287
Appendix K: Information sheet for participants ......................................................................... 289
Appendix L: Participant consent form ......................................................................................... 291
Appendix M: Relationship between objectives and data required ............................................. 293
Appendix N: Development of questions for survey questionnaire ............................................ 295
Appendix O: Development of interview guides ......................................................................... 299
Appendix P: Questionnaire ........................................................................................................ 301
Appendix Q, 1: Interview questions: Member of research team .................................................. 311
Appendix Q, 2: Interview questions: Leader .............................................................................. 313
Figure 4.2.4.5: Importance of Better Project Outcomes (In the Decision to Collaborate with Other Scientific Researchers) .......................................................... 132
Figure 4.2.4.6: Importance of accessing different ways of thinking and different research methods (in the decision to collaborate with ‘non science’ researchers) .................. 133
Figure 4.2.4.7: Importance of meeting the expectations of the funding agencies (in the decision to collaborate with researchers in ‘non science’ disciplines) .................. 133
Figure 4.2.4.8: Importance of achieving prestige or visibility (in the decision to collaborate with other scientific researchers) .......................................................... 134
Figure 4.2.4.9: Importance of enhancing productivity (in the decision to collaborate with other scientific researchers) .......................................................... 134
Figure 4.2.5.1: Importance of frequent communication amongst members (to make collaboration successful) .......................................................... 138
Figure 4.2.5.2: Importance of good leadership (to make collaboration successful) .................. 138
Figure 4.2.5.3: Importance of having an agreed method of sharing the recognition and reward (to make collaboration successful) .......................................................... 139
Figure 4.2.5.4: Importance of clear coordination and planning (to make collaboration successful) .......................................................... 139
Figure 4.2.5.5: Importance of team members having worked together previously (to make collaboration successful) .......................................................... 140
Figure 4.2.5.6: Importance of team members being geographically close to each other (to make collaboration successful) .......................................................... 140
Figure 4.2.6.1: Importance of collaboration to research .......................................................... 142
Figure 4.2.6.2: Preference for more or less collaboration .......................................................... 143