

## R.I.M. Dunbar

### PUBLICATIONS

To date, I have published 20 authored or edited books or special journal issues, over 400 articles in scientific journals, 7 technical reports on commercially commissioned research, and over some 100 pieces of science journalism and 130 book reviews.

#### *Academic Books*

- 1975 **Dunbar, R.** & Dunbar, P.: *Social Dynamics of Gelada Baboons*. Karger, Basel.
- 1982 Bertram, B., Clutton-Brock, T., **Dunbar, R.**, Rubenstein, R. & Wrangham, R. (eds): *Current Problems in Sociobiology*. Cambridge University Press.
- 1984 **Dunbar, R.**: *Reproductive Decisions: An Economic Analysis of Gelada Baboon Social Strategies*. Princeton University Press.
- 1988 **Dunbar, R.**: *Primate Social Systems*. Chapman & Hall, London [Cornell Univ Press in USA]
- 1995 **Dunbar, R.** (ed): *Human Reproductive Decisions: Biological and Social Perspectives*. Macmillan.
- 1996 Maynard Smith, J., Runciman, G. & **Dunbar, R.** (eds): *Evolution of Culture and Language in Primates and Humans*. British Academy Press & Oxford University Press.
- 1999 **Dunbar, R.**, Knight, C. & Power, C. (eds) *The Evolution of Culture*. Edinburgh University Press. [Arabic and Chinese translations]
- 2000 Cowlshaw, G. & **Dunbar, R.**: *Primate Conservation Biology*. Chicago University Press.
- 2002 Barrett, L., **Dunbar, R.** & Lycett, J.: *Human Evolutionary Psychology*. Macmillan/Palgrave and Princeton University Press. [with Czech and Japanese translations].
- 2005 **Dunbar, R.** (guest editor): *Darwinism and Literature*. Special issue of *J. Cult. Evol. Psych.* Vol.3 (1): 1-108.
- 2007 **Dunbar, R.** & Barrett, L. (eds): *Oxford Handbook of Evolutionary Psychology*. Oxford Univ Press.
- 2008 Allen, N.J., Callan, H., **Dunbar, R.** & James, W. (eds): *Early Human Kinship: From Sex to Social Reproduction*. Blackwell.
- 2010 **Dunbar, R.**, Gamble, C. & Gowlett, J. (eds): *Social Brain, Distributed Mind*. Oxford University Press.
- 2012 Freeberg, T., **Dunbar, R.** & Ord, T. (eds). *The Social Network and Communicative Complexity in Animals*. *Phil. Trans. R. Soc. Lond.* [special issue].

- 2012 Roberts, C., van Vugt, M. & **Dunbar, R.** (eds). *Applied Evolutionary Psychology. Evol. Psychol.* 10, issue 5 [special issue].
- 2014 **Dunbar, R.**, Gamble, C. & Gowlett, J. (eds) *Lucy to Language: the Benchmark Papers*. OUP
- 2014 Gamble, C., Gowlett, J. & **Dunbar, R.**: *Thinking Big: The Social Evolution of the Modern Mind*. Thames & Hudson (Polish translation).
- 2014 **Dunbar, R.**: *Human Evolution*. Pelican and Oxford University Press [Japanese, Korean and Polish translations]
- 2015 Arnaboldi, V., Passarella, A., Conti, M. & **Dunbar, R.**: *Online Social Networks: Human Cognitive Constraints in Facebook and Twitter Personal Graphs*. Elsevier.

### **Popular Science Books**

- 1986 **Dunbar, R.**: *The World of Nature*. Gallery Books, New York.
- 1995 **Dunbar, R.**: *The Trouble With Science*. Faber & Faber, London. [Italian, Polish, Turkish, Chinese & Japanese editions]
- 1996 **Dunbar, R.**: *Grooming, Gossip and the Evolution of Language*. Faber & Faber, London. [Dutch, German, Swedish, Japanese, Chinese, Italian, Spanish and US editions]
- 1996 **Dunbar, R.**: *The Trouble With Science*. [revised US edition] Harvard University Press.
- 2000 **Dunbar, R.** & Barrett, L.: *Cousins*. BBC Worldwide. [with French, German and US editions]
- 2004 **Dunbar, R.**: *The Human Story*. Faber & Faber. [with Portuguese, Italian, Swedish, Spanish and Chinese editions]
- 2005 **Dunbar, R.**, Barrett, L. & Lycett, J.: *Evolutionary Psychology: A Beginner's Guide*. OneWorld: Oxford. [with Chinese edition]
- 2010 **Dunbar, R.**: *How Many Friends Does One Person Need? Dunbar's Number and Other Evolutionary Quirks* (Faber, London) [with Italian, Polish, Russian, Romanian, Turkish, Arabic, Japanese, Korean, Mandarin, Cantonese, Malayan and US editions]
- 2012 **Dunbar, R.**: *The Science of Love and Betrayal* (Faber, London) [with US, Spanish, Italian, Dutch, Latvian, Serbian, Chinese, Ukrainian and Russian editions]

### **Technical Reports**

- 1990 Dunbar, R.: Report on the PSGB teaching survey. *Primate Eye* 42: 28-30.
- 1998 Dunbar, R. & Dickins, D.: *Self-Grooming Behaviour During Showering*. Report for Unilever Research Laboratories, Port Sunlight; 45 pp.

- Dickins, D. & Dunbar, R.: *Body Regions Visited During Display Showers for Advertising*. Report for Unilever Research Laboratories, 13 pp.
- Dunbar, R. & Lycett, J.: *Human Social Networks: A Report on the First JetSend Trial*. Report for Hewlett Packard Research, 42 pp.
- 2000 Dunbar, R., Dickins, D. & Hill, R.: *Showering Behaviour: The Effects of Using Bathing Aids*. Report for Unilever Laboratories, Port Sunlight; 41 pp.
- 2003 Dunbar, R., and others : *The Use of Primates Under the Animals (Scientific Procedures) Act (1986): Analysis of Current Trends with Particular Reference to regulatory Toxicology*. Report to the Minister of State on behalf of Home Office Animal Procedures Committee. Published by HMSO, London. 40 pp.
- 2003 Dunbar, R. & Mehu, M.: *Patterns of Grooming and Self-Touching in Naturalistic Situations*. Report for Unilever Research Laboratories, Port Sunlight; 73 pp.
- 2005 Shi, J. & Dunbar, R.: *A Review of Goat and Deer Populations of the Inversnaid RSPB Reserve, Loch Lomond*. A report for RSPB Scotland.
- 2012 Dunbar, R.: *Speak Up, Speak Out*. Report for the Holocaust Memorial Day Trust; 8 pp.
- 2013 Dunbar, R. & Dávid-Barrett, T.: *Why Do Men Form Groups? A Report for Guinness*. Report for Diageo; 11 pp.
- 2015 Dunbar, R.: *Report on Thomas J. Fudge (Bakers) Online Friendship Survey*. Report for Thomas J. Fudge Ltd., 00 pp.
- 2016 Dunbar, R., et al.: *Friends on Tap: The Role of Pubs at the Heart of the Community*. Report for CAMRA, 61 pp.
- 2016 Dunbar, R.: *Eating Together*. Report for The Big Lunch Company, 5 pp.

### ***Scientific Publications***

#### ***Manuscripts in press***

- Arnabaldi, V., Passarella, A., Conti, M. & Dunbar, R.: Structure of ego-alter relationships of politicians in Twitter. *J. Comp.-Med. Comm.*
- Noonan, M., Mars, R., Sallet, J., Dunbar, R., & Fellows, L.: The structural and functional brain networks that support human social networks. *Behavioural Brain Research*.
- Orben, A. & Dunbar, R.: (R)evolutionary? Investigating offline theories of relationship formation in a social media context. *Media Psychol.*
- 2018 Dunbar, R.: Social structure as a strategy to mitigate the costs of group-living: a comparison of gelada and guereza monkeys. *Anim. Behav.* 136: 53-64.

- Dunbar, R., MacCarron, P. & Robertson, C.: Tradeoff between fertility and predation risk drives a geometric sequence in the pattern of group sizes in baboons. *Biol. Letts.* 14: 20170700
- Dunbar, R.I.M., MacCarron, P. & Shultz, S. Primate social group sizes exhibit a regular scaling pattern with natural attractors. *Biol. Letts.* 14: 20170490.
- 2017 Arnaboldi, V., Conti, M. & Passarella, A. & Dunbar, R.: Online social networks and information diffusion: the role of ego networks. *Online Social Networks & Media* 1: 44-55.
- Bacha-Trams, M., Glerean, E., Dunbar, R., Lahnakoski, J., Ryyppö, E., Sam, M. & Jääskeläinen, I.: Differential inter-subject correlation of brain activity when kinship is a variable in moral dilemma. *Scient. Rpts.* 7: 14244.
- Bhattacharya, K., Ghosh, A., Monsivais, D., Dunbar, R. & Kaski, K.: Absence makes the heart grow fonder: social compensation when failure to interact risks weakening a relationship. *EPJ Data Sci.* 6: 1-10.
- Budelmann, F., Dunbar, R., Duncan, S., van Emde Boas, E., Maguire, L., Teasdale, B. & Thompson, J.: Cognition, endorphins and the literary response to tragedy. *Cambridge Quart.* 46: 229-250.
- Dahmardeh, M. & Dunbar, R.: What shall we talk about in Farsi? Content of everyday conversations in Iran. *Human Nature* 28: 423-433.
- Dàvid-Barrett, T. & Dunbar, R.: Fertility, kinship and the evolution of mass ideologies. *J. Theoret. Biol.* 417: 20-27.
- Dunbar, R.: Reply to Jern et al.: On asking the right questions. *PNAS* 114: E9187.
- Dunbar, R.: What's missing from the scientific study of religion. *Relig. Brain Behav.* 7: 349-353.
- Dunbar, R.: Group size, vocal grooming and the origins of language. *Psychonomic Bull. Rev.* 24: 209-212.
- Dunbar, R.: Breaking bread: the functions of social eating. *Adaptive Human Behav. Physiol.* 3: 198-211.
- Dunbar, R.: The anatomy of friendship. *TICS* 22: 32-51.
- Dunbar, R.: Cognitive and network constraints in real life and literature. In: Kenna, R., MacCarron, M. & MacCarron, P. (eds) *Maths Meets Myths: Quantitative Approaches to Ancient Narratives*, pp. 7-20. Springer.
- Dunbar, R. & Shultz, S.: Why are there so many explanations for primate brain evolution? *Phil. Trans. R. Soc. Lond.* 244B: 201602244.
- Dunbar, R. & Sosis, R.: Optimising human community sizes. *Evol. Human Behav.* 39: 106-111.
- Dunbar, R., Launay, J., Wlodarski, R., Robertson, C., Pearce, E., Carney, J. & MacCarron, P.: Functional benefits of (modest) alcohol consumption. *Adaptive Human Behav. Physiol.* 3: 118-133.
- Heatley Tejada, A., Montero, M. & Dunbar, R.: Being unempathic will make your loved ones feel lonelier: loneliness in an evolutionary perspective. *Per. Individ. Diff.* 116: 223-232.
- Kordsmeyer, T., MacCarron, P. & Dunbar, R.: Sizes of permanent campsites reflect constraints on natural human communities. *Curr. Anthropol.* 58: 289-294.
- Lewis, P., Birch, A., Hall, A. & Dunbar, R.: Higher order intentionality tasks are cognitively more demanding. *SCAN* 12:1063-1071.

- Manninen, S., Tuominen, L., Dunbar, R., Karjalainen, T., Hirvonen, J., Arponen, E., Hari, R., Jääskeläinen, I., Sams, M. & Nummenmaa, L.: Social laughter triggers endogenous opioid release in humans. *J. Neurosci.* 37: 6125-6131.
- Monsivais, M., Bhattacharya, K., Ghosh, A., Dunbar, R. & Kaski, K.: Seasonal and geographical impact on human resting periods. *Scient. Rpts.*, 7: 10717.
- Monsivais, D., Ghosh, A., Bhattacharya, K., Dunbar, R. & Kaski, K.: Tracking urban human activity from mobile phone calling patterns. *PLoS Comp. Biol.* 13: e1005824.
- Oesch, N. & Dunbar, R.: The emergence of recursion in human language: Mentalising predicts recursive syntax task performance. *J. Neurolinguistics* 43: 95-106.
- Orben, A. & Dunbar, R.: Social media and relationship development: the effect of valence and intimacy of posts. *Comp. Human Behav.* 73: 489-498.
- Palmstierna, M., Frangou, A., Wallete, A. & Dunbar, R.: Family counts: deciding when to murder among the Icelandic Vikings. *Evol. Human Behav.* 38: 175-180.
- Pearce, E., Wlodarski, R., Machin, A. & Dunbar, R.: Variation in the  $\beta$ -endorphin, oxytocin, and dopamine receptor genes is associated with different dimensions of human sociality. *PNAS* 114: 5300-5305.
- Pearce, E., Launay, J., MacCarron, P. & Dunbar, R.: Tuning in to others: Exploring relational and collective bonding in singing and non-singing groups over time. *Psych. Music* 45: 412.
- Robertson, C., Tarr, B., Kempnich, M. & Dunbar, R.: Rapid partner switching may facilitate increased broadcast group size in dance compared with conversation groups. *Ethology* 123: 736-747.
- Tarr, B., Launay, J. & Dunbar, R.: Naltrexone blocks endorphins released when dancing in synchrony. *Adaptive Human Behav. Physiol.* 3: 241-254.
- 2016 Aledavood, T., López, E., Roberts, S., Reed-Tsochas, F., Moro, E., Dunbar, R. & Saramäki, J.: Channel-specific daily patterns in mobile phone communication. In: *Proceedings of ECCS 2014*, pp. 209-218. Springer.
- Arnaboldi, V., Dunbar, R., Passarella, A. & Conti, M.: Analysis of co-authorship ego networks. In: A. Wierzbicki, U. Brandes, F. Schweitzer & D. Pedreschi (eds) *Advances in Network Science*, pp. 82-97. Elsevier.
- Dàvid-Barrett, T. & Dunbar, R.: Bipedality and hair loss in human evolution revisited: the impact of altitude and activity scheduling. *J. Human Evol.* 94: 72-82.
- Dàvid-Barrett, T. & Dunbar, R.: Language as a coordination tool evolves slowly. *R. Soc. Open Sci.* 3: 160259.
- Bhattacharya, K., Gosh, A., Monsivais, D., Dunbar, R. & Kaski, K.: Sex differences in social focus across the life cycle in humans. *R. Soc. Open Sci.* 3: 160097.
- Dunbar, R.: Sexual segregation in human conversations. *Behaviour* 153: 1-14.
- Dunbar, R.: Evolution of the human brain. In: J. Stein (ed) *Reference Module in Neuroscience and Biobehavioural Psychology*. Elsevier.
- Dunbar, R.: The social brain hypothesis and human evolution. In: *Oxford Research Encyclopedia for Neuroscience*, pp. 1-33. Oxford University Press, 0.1093/acrefore/9780190236557.013.44
- Dunbar, R.: Do online social media cut through the constraints that limit the size of

- offline social networks? *R. Soc. Open Sci.* 3: 150292.
- Dunbar, R.: The realities of social life and their implications for social inclusion. In: R.Jackson & M.Lyons (eds) *Community Care and Inclusion for People with an Intellectual Disability*, pp. 57-73. Floris.
- Dunbar, R. & Wlodarski, R.: reply to Falcon. *Biol. Letts.* 12: 20160213.
- Dunbar, R. & Pearce, E.: Response to: Traynor et al. "Assessing eye orbits as predictors of Neanderthal group size". *Amer. J. Phys. Anthropol.* 159: 358-360.
- Dunbar, R., & Launay, J. & Curry, O.: The complexity of jokes is limited by cognitive constraints on mentalizing. *Human Nature* 27: 130-140.
- Dunbar, R.I.M., Teasdale, B., Thompson, J., Budelmann, F., Duncan, S., van Emde Boas, E. & Maguire, L.: Emotional arousal when watching drama increases pain threshold and social bonding. *Roy. Soc. Open Sci.* 3: 160288.
- Johnson, K. & Dunbar, R.: Pain tolerance predicts human social network size. *Scient. Rpts* 6: 25267.
- Krems, J., Neuberg, S., & Dunbar, R.: Something to talk about: are conversation sizes constrained by mental modeling abilities? *Evol. Human Behav.* 37: 423–428.
- Launay, J. & Dunbar, R.: Playing with strangers: which shared traits attract us most to new people? *PLoS One* 10: e0129688.
- Launay, J., Tarr, B. & Dunbar, R.: Synchrony as an adaptive mechanism for large scale human social bonding. *Ethology* 122:779-789.
- MacCarron, P. & Dunbar, R.: Identifying natural grouping structure in gelada baboons: a network approach. *Anim. Behav.* 114: 119-128.
- MacCarron, P., Kaski, K. & Dunbar, R.: Calling Dunbar's numbers. *Social Networks* 47:151–155.
- Machin, A. & Dunbar, R.: Is kinship a schema? Moral decisions and the function of the human kin naming system. *Adaptive Hum. Behav. Physiol.* 2: 195-219.
- Nummenmaa, L., Tuominen, L., Dunbar, R., Hirvonen, J., Manninen, S., Arponen, E., Machin, A., Hari, R., Jääskeläinen, I.P. & Sams, M.: Reinforcing social bonds by touching modulates endogenous  $\mu$ -opioid system activity in humans. *NeuroImage* 138: 242–247.
- Oesch, N. & Dunbar, R.: Deception as a derived function of language. *Front. Psych.* 7: 1485.
- Pearce, E., Launay, J., Machin, A. & Dunbar, R.: Is group singing special? Health, well-being and social bonds in community-based adult education classes. *J. Comm. Appl. Soc. Psych.* 26: 518-533.
- Pearce, E., Launay, J., van Duijn, M., Rotkirch, A., David-Barrett, T. & Dunbar, R.: Singing together or apart: The effect of competitive and cooperative singing on social bonding within and between sub-groups of a university fraternity. *Psych. Music* 44: 1255-73.
- Sutcliffe, A., Dunbar, R. & Wang, D.: Modelling the evolution of social structure. *PLoS One* 11: e0158605.
- Tarr, B., Launay, J. & Dunbar, R.: Silent disco: dancing in synchrony leads to elevated pain thresholds and social closeness. *Evol. Human Behav.* 37: 343-349.
- Weinstein, D., Launay, J., Pearce, E., Dunbar, R. & Stewart, L.: Singing and social bonding: changes in connectivity and pain threshold as a function of group size. *Evol. Human Behav.* 37: 152-158.

- Whittaker, R., Colombo, G., Allen, S. & Dunbar, R.: A dominant social comparison heuristic unites alternative mechanisms for the evolution of indirect reciprocity. *Scient. Rpts.* 6: 31459.
- Wlodarski, R. & Dunbar, R.: When BOLD is thicker than water: processing social information about kin and friends at different levels in the social network. *SCAN* 11: 1952-1960.
- 2015 Aledavood, T., López, E., Roberts, S., Reed-Tsochas, F., Moro, E., Dunbar, R. & Saramäki, J.: Daily rhythms in mobile telephone communication. *PloS One* 10: e0138098.
- Barrio, R., Govezensky, T., Dunbar, R., Iñiguez, G. & Kaski, K.: Dynamics of deceptive interactions in social networks. *J. R. Soc. Interface* 12: 20150798
- Burton-Chellew, M. & Dunbar, R.: Romance and reproduction are socially costly. *Evol. Behav. Sci.* 9: 229-241.
- Burton-Chellew, M. & Dunbar, R.: Hamilton's Rule predicts anticipated social support in humans. *Behav. Ecol.* 26: 130-137.
- Dàvid-Barrett, T., Rotkirch, A., Carney, J., Behncke Izquierdo, I., Krems, J., Townley, D., McDaniell, E., Byrne-Smith, A. & Dunbar, R.: Women favour dyadic relationships, but men prefer clubs. *PLoS-One* 10: e0118329.
- Dunbar, R.: Social networks and their implications for community living for people with a learning disability. *Int. J. Develop. Disabil.* 61: 101-106.
- Dunbar, R., Arnaboldi, V., Conti, M. & Passarella, A.: The structure of online social networks mirrors those in the offline world. *Social Networks* 43: 39-47.
- Dyble, M., van Leeuwen, A. & Dunbar, R.: Gender differences in Christmas gift-giving. *Evol. Behav. Sci.* 9: 140-144.
- Gray, A., Parkinson, B. & Dunbar, R.: Laughter's influence on the intimacy of self-disclosure. *Human Nat.* 26:28-43
- Grove, M. & Dunbar, R.: Local objects, distant symbols: Fission-fusion social systems and the evolution of human cognition. In: Wenban-Smith, F., Hosfield, R., Pope, M. & Coward, F. (eds.) *Settlement, Society and Cognition in Human Evolution*, pp. 000-000. Cambridge University Press.
- Hockings, K., McLennan, M., Carvalho, S., Ancrenaz, M., Bobe, R., Byrne, R., Dunbar, R., Matsuzawa, T., McGrew, W., Williamson, E., Wilson, M., Wood, B., Wrangham, R., & Hill, C.: Apes in the Anthropocene: flexibility and survival. *TREE* 30: 215-222.
- King, A., Myatt, J., Fürbauer, I., Oesch, N., Dunbar, R., Sumner, S., Usherwood, J., Hailes, S. & Brown, M.: Social density processes regulate the functioning and performance of foraging human teams. *Scient. Rpts.* 5: 18260.
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- Launay, J., Pearce, E., Wlodarski, R., van Duijn, M., Carney, J. & Dunbar, R.: Higher-order mentalising and executive functioning. *PAID* 86: 6-14.
- Nummenmaa, L., Manninen, S., Tuominen, L., Hirvonen, J., Kalliokoski, K.K., Nuutila, P., Jääskeläinen, I.P., Hari, R., Dunbar, R. & Sams, M.: Adult attachment style is associated with cerebral  $\mu$ -opioid receptor availability in humans. *Human Brain Mapp.* 36:3621-3628.

- Oesch, N. & Dunbar, R.: Influence of kin network on maternal and infant health and illness. *J. Preg. Child Health* 2: 2.
- Pearce, E., Launay, J. & Dunbar, R.I.M.: The ice-breaker effect: singing mediates fast social bonding. *R. Soc. Open Sci.* 2: 150221.
- Roberts, S. & Dunbar, R.: Managing relationship decay: network, gender, and contextual effects. *Human Nature* 26:426–450
- Sutcliffe, A., Wang, D. & Dunbar, R.: Modelling the role of trust in social relationships. *Trans. Internet Tech.* 15: 2.
- Suvilehto, J., Glerean, E., Dunbar, R., Hari, R. & Nummenmaa, L.: Topography of social touching depends on emotional bonds between humans. *PNAS* 112: 13811-16.
- Tarr B, Launay J, Cohen E, Dunbar R.: Synchrony and exertion during dance independently raise pain threshold and encourage social bonding. *Biol. Letts.* 11: 20150767.
- Wlodarski, R. & Dunbar, R.: Within-sex mating strategy phenotypes: evolutionary stable strategies? *Human Ethol. Bull.* 30: 99-108.
- Wlodarski, R., Manning, J. & Dunbar, R.: Stay or stray? Evidence for alternative mating strategy phenotypes in both men and women. *Biol. Letts.* 11: 20140977.
- Wolf, W., Launay, J. & Dunbar, R.: Joint attention, shared goals and social bonding. *Brit. J. Psychol.* 107: 322-337.
- 2014 Carney, J., Wlodarski, R. & Dunbar, R.: Inference or enactment? The influence of genre on the narrative processing of other minds. *PLoS-1* 9: e114172.
- Carney, J., Dunbar, R., Machin, A., Dávid-Barrett, T. & Silva Júnior, M.: Social psychology and the comic-book superhero: a Darwinian approach. *Phil. & Lit.* 38: A195-A215.
- Coward, F. & Dunbar, R.: Communities on the edge of civilisation. In: R. Dunbar, C. Gamble & J. Gowlett (eds) *Lucy to Language: the Benchmark Papers*, pp. 380-405. OUP
- Dávid-Barrett, T. & Dunbar, R.: Social elites emerge naturally in an agent-based framework when interaction patterns are constrained. *Behav. Ecol.* 25: 58-68.
- Dunbar, R.: The social brain: psychological underpinnings and implications for the structure of organizations. *Curr. Dir. Psych. Res.* 24: 109-114.
- Dunbar, R.: What's so social about the social brain? In: J. Decety & Y. Christen (eds.) *Research & Perspectives in Neurosciences* 14: 1-10.
- Dunbar, R.: How conversations round campfires came to be. *PNAS* 111: 14013-14014.
- Dunbar, R.: What makes the Neolithic so special? *Neo-Lithic* 1-13: 23-27.
- Dunbar, R.: How, why and when language evolved. In: Waciewicz, S. & Żywiczyński, P. (eds) *Ways to Protolanguage* 3, pp. 49-69. Polish Academy of Sciences.
- Dunbar, R.: La brecha en mente o por qué los humanos no son solo grandes simios. In: P. Quintanilla, C. Mantilla & P. Cépeda (eds) *Cognición Social y Lenguaje*, pp. 205-226. Lima: Fondo Editorial PUCP.



- Dunbar, R.: Mind the gap: or why humans aren't just great apes. In: R.Dunbar, C.Gamble & J.Gowlett (eds) *Lucy to Language: the Benchmark Papers*, pp. 3-18. OUP
- Dunbar, R. & Gowlett, J.: Fireside chat: the impact of fire on hominin socioecology. In: R.Dunbar, C.Gamble & J.Gowlett (eds) *Lucy to Language: the Benchmark Papers*, pp. 277-296. OUP
- Dunbar, R. & Machin, A.: Sex differences in relationship conflict and reconciliation. *J. Evol. Psych.* 12: 109-133.
- Dunbar, R., Lehmann, J., Korstjens, A. & Gowlett, J.: The road to modern humans: time budgets, fission-fusion sociality, kinship and the division of labour in hominin evolution. In: R.Dunbar, C.Gamble & J.Gowlett (eds) *Lucy to Language: the Benchmark Papers*, pp. 333-355. OUP
- Iñiguez, G., Govezensky, T., Dunbar, R., Kaski, K. & Barrio, R.: Effects of deception in social networks. *Proc. R. Soc. Lond.* 281B: 20141195
- Jo, H.-H., Saramäki, J., Dunbar, R. & Kaski, K.: Spatial patterns of close relationships across the lifespan. *Scient. Rpts.* 4: 6988.
- Lehmann, J., Lee, P. & Dunbar, R.: Unravelling the evolutionary function of communities. In: R.Dunbar, C.Gamble & J.Gowlett (eds) *Lucy to Language: the Benchmark Papers*, pp. 245-276. OUP
- Mars, R., Neubert, F-X., Verhagen, L., Sallet, J., Miller, K., Dunbar, R. & Barton, R.: Primate comparative neuroscience using magnetic resonance imaging: Promises and challenges. *Frontiers Neurosci.* 8:289.
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- Silva Júnior, M., Dunbar, R. & Brito, R.: Cross-cultural similarities in preferences for maternal versus paternal lineages. *Evol. Behav. Sci.* 8: 44-58.
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- Shultz, S., Opie, C., Nelson, E., Atkinson, Q.D. & Dunbar, R.: Evolution of primate social systems: implications for hominin social evolution. In: R.Dunbar, C.Gamble & J.Gowlett (eds) *Lucy to Language: the Benchmark Papers*, pp. 317-322. OUP
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- 2013 Arnabaldi, V., Conti, M., Passarella, A. & Dunbar, R.: Dynamics of personal social relationships in online social networks: a study on Twitter. COSN '13 Proceedings of the first ACM Conference on Online Social Networks, pp. 15-26.
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