

curriculum vitae

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Date and Place of Birth

May 15, 1966, in Jerusalem, Israel.

Employment

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| 1983 | Programmer for Zion Insurance Company |
| 1984-1987 | Israel Defense Force, 1 year in a R&D department |
| 1989-1991 | Research Assistant, Tel Aviv University |
| 1990-1993 | Teaching Assistant, Tel Aviv University |
| 1992-1993 | Programmer at AC&A, CAD development |
| May 2001 | Consultant for Roche Pharmaceuticals, Palo Alto |
| 2003-present | Asst. Prof. (W2) Max Plank Institute for Evolutionary Anthropology, Leipzig, Germany. |

Education

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| 1987-1991 | Special Program for Fostering Excellence, Tel Aviv University |
| 1991-1993 | Department of Mathematics, Tel Aviv University B.Sc. mathematics major, physics minor awarded 1992, magna cum laude |
| 1994 | Summer School for Complex Systems, Santa Fe Institute. |
| 1994-1998 | Doctoral Candidate, Biological Sciences. Stanford University, Stanford, California. Principal Advisor: Marcus W. Feldman Ph.D. awarded 1998. Dissertation: The evolution of colonies: multicellularity, and eusociality. The importance of information sharing |
| 1998-2001 | Postdoctoral Fellow, Santa Fe Institute. |
| 2002-2003 | Postdoctoral Associate, Max Planck Institute for Mathematics in the Sciences. |

Languages

English, Hebrew, German.

Published articles and articles in press

- Jablonka, E., M. Lachmann, and M. J. Lamb. 1992. Evidence, mechanisms and models for the inheritance of acquired characters. *Journal of Theoretical Biology.* 158: 245-268.
- Lachmann-Tarkhanov, M. and S. Sarkar. 1994. The alternative fitness sets which preserve allele trajectories: A general treatment. *Genetics* 138(4):1323-1330.
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- Lachmann, M. and C. T. Bergstrom. 1998. Signalling among relatives. II. Beyond the Tower of Babel. *Theoretical Population Biology*, 54:146-160.
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- Bergstrom, C. T. and M. Lachmann. 2001. Alarm calls as costly signals of anti-predator vigilance: The watchful babbler game. *Animal Behavior* 61(3):535-543.
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- Ptak S. E. and M. Lachmann. 2002. On the evolution of polygamy: a theoretical examination of the polygamy threshold model. *Behavioral Ecology*, 14:201-211.
- Bergstrom C. T., S. Számadó, and M. Lachmann. 2002. Separating equilibria in continuous signalling games. *Philosophical Transactions: Biological Sciences* 357(1427):1595-1606.
- Bergstrom, C. T. and M. Lachmann. 2003. The Red King Effect: When the slowest runner wins the coevolutionary race. *Proceedings of the National Academy of Sciences USA* 200(2):593-598.
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Bookchapters

- Bergstrom, C. T. and M. Lachmann. 2003. The Red King Effect: Evolutionary rates and the division of surpluses in mutualisms. Chapter 12 in P. Hammerstein, ed., *Genetic and Cultural Evolution of Cooperation*. Cambridge: MIT Press.
- Lachmann, M., N. W. Blackstone, D. Haig, A. Kowald, R. E. Michod, E. Szathmáry, J. H. Werren, and L. Wolpert. 2003. Cooperation and conflict in the evolution of genomes, cells and multicellular organisms. Chapter 18 in P. Hammerstein, ed., *Genetic and Cultural Evolution of Cooperation*. Cambridge: MIT Press.
- Bergstrom, C. T., B. Kerr and M. Lachmann. 2008. Building trust by wasting time. In P. J Zak, ed., *Moral Markets: The Critical Role of Values in the Economy*. Princeton University Press, in press.

Manuscripts

- Lachmann, M. and C. T. Bergstrom. When honest signals must be costly. SFI working paper 99-08-059. (partly incorporated into "Cost and conflict in animal signals and human language")
- Bergstrom, C., and M. Lachmann. 2004. Shannon Information and Biological Fitness. Proceedings of the IEEE information theory workshop.