

Tom T. Rolef Ben-Shahar, PhD

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Date of Birth: 15.5.1973 **Marital status:** Divorced +2 **Nationality:** UK, Israeli

Employment and Education

- 2017- Current **PhD Candidate** at the Gender Studies Program, Bar Ilan University, Israel.
Advisor: Dr Miri Rozmarin.
Research project: Entangled Histories: Analysis of Biological Inheritance and its Research through *Agential Realism*.
- 2016-2017 Freelance translation work.
- 2009-2015 Maternity and home making career break (including care for my eldest with disability).
- 2005-2008 **Postdoctoral Research Fellow** with Dr Frank Uhlmann, London Research Institute LIF, Cancer Research UK (CRUK).
Research project: *Establishment of sister chromatid cohesion during S phase of the cell cycle.*
- 1999-2004 **Research PhD** at University College London (UCL), with Dr Alain Verreault, Clare Hall Laboratories, Cancer Research UK (CRUK).
Thesis title: *Nucleosome Assembly and Histone H3 Methylation during DNA Replication.*
- 1996-1999 **"Etgar" Honours degree research project** with Prof Yossi Gruenbaum, Department of Genetics, The Hebrew University, Israel.
Research project: *Characterisation of Lamin expression and function in C. elegans.*
- 1996-1998 **B.Sc. (Honours)**, the Hebrew University, within the "Etgar" excellence programme.

Voluntary Activity

- 2016-2017 Volunteer work supporting women recovering from domestic abuse.
- 2006-2007 Co-founder and vice chair of the Post-Doctoral Association (PDA) at the CRUK institute.

Scholarships and Fellowships

- 2018-2022 Bar-Ilan Hannasi President Graduate Scholarship.
- 2005-2008 Cancer Research UK Postdoctoral Fellowship.
- 1999-2004 Cancer Research UK Graduate Studentship.
- 1999-2003 B'nai B'rith - Leo Baeck Scholarship.
- 2000-2002 Overseas Research Students Award.
- Summer 1997 Winokur Fund Research Scholarship for high achieving undergraduate students.

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Presentations in Recent conferences

- July 2023 "Inheriting the Double Helix"; The 13th Beyond Humanism Conference; Mytilini, Greece.
"Inheriting the Double Helix"; The 22nd Conference of The Israeli Society for the History, Philosophy and Sociology of Science; Tel-Aviv, Israel.
- May 2023 "Posthumanist DNA"; Technology, Art, and the Posthuman Conference; Rome, Italy.
- July 2022 "Thinking of Epigenetic Function, Inheritance and Biomedical Practices through Agential Realism"; The Society for Philosophy of Science in Practice (SPSP) Ninth Biennial Conference; Ghent, Belgium.
- June 2022 "Thinking of Epigenetic Function, Inheritance and Biomedical Practices through Agential Realism,"; Re-Thinking the Epigenome Conference; Munich, Germany.

Publications

Borges V, Lehane C, Lopez-Serra L, Flynn H, Skehel M, Rolef Ben-Shahar T, Uhlmann F. (2010) Hos1 deacetylates Smc3 to close the cohesin acetylation cycle. Mol. Cell 39(5): 677-88.

[http://www.cell.com/molecular-cell/pdf/S1097-2765\(10\)00619-2.pdf](http://www.cell.com/molecular-cell/pdf/S1097-2765(10)00619-2.pdf)

Rolef Ben-Shahar T, Castillo AG, Osborne MJ, Borden KL, Kornblatt J, Verreault A. (2009) Two fundamentally distinct PCNA interaction peptides contribute to chromatin assembly factor 1 function. Mol. Cell. Biol. 29(24): 6353-65.

<http://mcb.asm.org/content/29/24/6353.full.pdf+html>

Rolef Ben-Shahar T, Heeger S, Lehane C, East P, Flynn H, Skehel M, Uhlmann F. (2008) Eco1-dependent cohesin acetylation during establishment of sister chromatid cohesion. Science. 321(5888): 563-6.

<http://science.sciencemag.org/content/321/5888/563.full>

Murzina NV, Pei XY, Zhang W, Sparkes M, Vicente-Garcia J, Pratap JV, McLaughlin SH, Rolef Ben-Shahar T, Verreault A, Luisi BF, Laue ED. (2008) Structural basis for the recognition of histone H4 by the histone-chaperone RbAp46. Structure. 16(7): 1077-85.

[http://www.cell.com/structure/pdf/S0969-2126\(08\)00191-3.pdf](http://www.cell.com/structure/pdf/S0969-2126(08)00191-3.pdf)

Liu J, Rolef Ben-Shahar T, Riemer D, Treinin M, Spann P, Weber K, Fire A and Gruenbaum Y. (2000). The Caenorhabditis elegans lamin gene is essential and is required for nuclear organization, mitotic progression, chromosome segregation and spatial organization of nuclear pore complexes. Mol. Biol. Cell. 11: 3937-3947.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC15048/>

Other

Tom and Asaf Rolef Ben-Shahar (2005). The music box: meditation on brain-mind relationship. Anchor point 18 (10): 11-17.

<http://www.eabp.org/bibliography/journal-detail.php?journalid=2147>

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