

Curriculum Vitae

Aurelio Teleman, PhD

(*1976)

Helmholtz Junior Research Group
Signal Transduction in Cancer and Metabolism (B140)
German Cancer Research Center (DKFZ)

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Education & Work Experience

1990-1994 Ward Melville High School • Setauket, NY, USA

- Valedictorian of the Class of 1994 (top grade point average)
- Member of the 1994 United States Olympic Physics Team

1994-1998 University studies, Harvard University • Boston, MA USA

- A.B. degree Summa Cum Laude in Biochemistry, June 1998.
- Grade Point Average 3.92/4.00.

1998-2001 Ph.D. studies, European Molecular Biology Laboratory (EMBL), Germany and Imperial College London, UK

- Ph.D. granted Feb 29, 2004

2001-2002 Business Analyst, McKinsey & Co., New York, NY, USA

- Management strategy consulting in the pharmaceutical and biotech industries

2002-2006 Postdoctoral Fellow, European Molecular Biology Laboratory (EMBL), Germany

2006-2007 Staff Scientist, European Molecular Biology Laboratory (EMBL), Germany

2007- Head of Junior Group "Signal Transduction in Cancer and Metabolism", DKFZ

Honors & awards

- 1994 Valedictorian of the Class of 1994, Ward Melville High School, NY USA
- 1994 Member of the 1994 USA Olympic Physics Team
- 1994 Westinghouse Science Talent Search semi-finalist
- 1994 International Science and Engineering Fair winner (2nd place)
- 1994 Selected participant of 1994 Research Science Institute (RSI) at MIT, USA
- 1997 Phi Beta Kappa Honor Society Junior 24, Harvard University, USA
- 1998 Goldwater scholarship
- 1998 Thomas Hoopes Prize for outstanding senior thesis, Harvard University, USA
- 1998 Henderson Prize for best Biochemistry thesis, Harvard University, USA

- 1998-2001 Howard Hughes Medical Institute (HHMI) Predoctoral Fellowship (1 of 88 granted worldwide)
- 1998 Beinecke Scholarship
- 2007 Helmholtz Young Investigator Award

Research fields

Insulin signaling; Regulation of tissue growth & metabolism; Drosophila development

Professional Experience


- Reviewer for Science, Developmental Cell, Cell Metabolism, Nature Cell Biology, EMBO Journal, Development, Cancer Letters, Genes & Development, etc.
- Grant reviewing: BMRC Singapore (2008), Swiss National Science Foundation (2009)
- Committee member of DKFZ PhD program (“Helmholtz International Graduate School for Cancer Research”) and for the DKFZ Distinguished Lecturer seminar series.
- Invited speaker to Young Scientist Association meeting of the Medical University of Vienna (2008), ETH (2008), Kavli Institute for Theoretical Physics workshop on “Physics and Biology of Morphogenesis” (2008), Temasek Life Sciences Laboratory (2008), Gordon Research Conference on Developmental Biology (2007)
- Member of Faculty of 1000 Biology
- Grants: MITIN grant, EU FP7 (2008-2011); Helmholtz Young Investigator Award (2007-2012); Krebshilfe (2009-2012)

List of Publications

1. Teleman AA. miR-200 De-FOGs Insulin Signaling. (2010) Cell Metabolism. 11:8-9.
2. Mauvezin C, Orpinell M, Francis VA, Mansilla F, Duran J, Boya P, Ribas V, Palacín M, **Teleman AA** and Zorzano A. The nuclear cofactor DOR regulates autophagy in mammalian and Drosophila cells. (2010) EMBO Reports. 11(1):37-44.
3. **Teleman AA**. Molecular mechanism of metabolic regulation by insulin in Drosophila. (2010). Biochemical Journal. 425(1):13-26.
4. Schleich S, and **Teleman AA**. Akt phosphorylates both Tsc1 and Tsc2 in Drosophila, but neither phosphorylation is required for normal animal growth. (2009). PlosONE. 4(7):e6305
5. **Teleman AA**, Hietakangas V, Sayadian A, Cohen SM. Nutritional Control of Protein Biosynthetic Capacity by Insulin via Myc in Drosophila. (2008) Cell Metabolism. 7:21-32
6. Easow G, **Teleman AA**, Cohen S. Isolation of miRNA targets by miRNP purification. (2007) RNA 13:1198-1204

7. Hufnagel L, **Teleman AA (co-first author)**, Rouault H, Cohen SM, Shraiman BI. On the mechanism of wing size determination in fly development. (2007) PNAS 104:3835-40
8. **Teleman AA** and Cohen SM. Drosophila lacking microRNA miR-278 are defective in energy homeostasis. (2006) Genes Dev 20:417-22
9. **Teleman AA**, Chen YW, Cohen SM. 4E-BP functions as a metabolic brake used under stress conditions but not during normal growth. (2005) Genes Dev 19:1844-8.
10. **Teleman AA**, Chen YW, Cohen SM. Drosophila melted modulates FOXO and TOR activity. (2005) Dev Cell 9:271-81.
11. Mikeladze-Dvali T, Wernet MF, Pistillo D, Mazzoni EO, **Teleman AA**, Chen YW, Cohen S, Desplan C. The Growth Regulators warts/lats and melted Interact in a Bistable Loop to Specify Opposite Fates in Drosophila R8 Photoreceptors. (2005) Cell 122:775-87
12. **Teleman AA**, Strigini M, Cohen SM. Shaping morphogen gradients. (2001) Cell 105:559-62
13. **Teleman AA**, Cohen SM. Dpp gradient formation in the Drosophila wing imaginal disc. (2000) Cell 103:971-80.
14. **Teleman AA**, Graumann PL, Lin DC, Grossman AD, Losick R. Chromosome arrangement within a bacterium. (1998) Curr Biol 8:1102-9
15. Webb CD, Graumann PL, Kahana JA, **Teleman AA**, Silver PA, Losick R. Use of time-lapse microscopy to visualize rapid movement of the replication origin region of the chromosome during the cell cycle in Bacillus subtilis. (1998) Mol Microbiol. 28:883-92
16. Gordon GS, Sitnikov D, Webb, CD, **Teleman A**, Straight A, Losick R, Murray AW, Wright A. Chromosome and low copy plasmid segregation in E. coli: visual evidence for distinct mechanisms. (1997) Cell 90, 1113-21.
17. Webb CD, **Teleman A (co-first author)**, Gordon S, Straight A, Belmont A, Lin DC, Grossman AD, Wright A, Losick R. Bipolar localization of the replication origin regions of chromosomes in vegetative and sporulating cells of B. subtilis. (1997) Cell 88:667-74
18. Webb CD, Decatur A, **Teleman A**, Losick R. Use of green fluorescent protein for visualization of cell-specific gene expression and subcellular protein localization during sporulation in Bacillus subtilis. (1995) J Bacteriol. 177:5906-11

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Number of Citations and Impact Factors for Selected Publications

Publication	Number of Citations as of Nov 2009	Impact Factor
Teleman AA , Hietakangas V, Sayadian A, Cohen SM. Nutritional Control of Protein Biosynthetic Capacity by Insulin via Myc in Drosophila. (2008) <u>Cell Metabolism</u> . 7:21-32	20	>20
Hufnagel L, Teleman AA (co-first author) , Rouault H, Cohen SM, Shraiman BI. On the mechanism of wing size determination in fly development. (2007) <u>PNAS</u> 104:3835-40	30	21
Teleman AA and Cohen SM. Drosophila lacking microRNA miR-278 are defective in energy homeostasis. (2006) <u>Genes Dev</u> 20:417-22	47	28
Teleman AA , Chen YW, Cohen SM. Drosophila melted modulates FOXO and TOR activity. (2005) <u>Dev Cell</u> 9:271-81.	37	22
Teleman AA , Chen YW, Cohen SM. 4E-BP functions as a metabolic brake used under stress conditions but not during normal growth. (2005) <u>Genes Dev</u> 19:1844-8.	43	19
Teleman AA , Strigini M, Cohen SM. Shaping morphogen gradients. (2001) <u>Cell</u> 105:559-62	95	35
Teleman AA , Cohen SM. Dpp gradient formation in the Drosophila wing imaginal disc. (2000) <u>Cell</u> 103:971-80.	167	43
Teleman AA , Graumann PL, Lin DC, Grossman AD, Losick R. Chromosome arrangement within a bacterium. (1998) <u>Curr Biol</u> 8:1102-9	112	13
Webb CD, Teleman A (co-first author) , Gordon S, Straight A, Belmont A, Lin DC, Grossman AD, Wright A, Losick R. Bipolar localization of the replication origin regions of chromosomes in vegetative and sporulating cells of B. subtilis. (1997) <u>Cell</u> 88:667-74	238	55