

Curriculum Vitae

Prof. Dr. Aurelio Teleman (*1976)

Head of Division
Signal Transduction in Cancer and Metabolism (B140)
German Cancer Research Center (DKFZ)

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The Teleman Lab studies how tissues and cells control their growth, and the relevance of these regulatory mechanisms to normal development and cancer.

Selected Publications

* co-first/corresponding

1. Ahmed SMH, Maldera JA, Kronic D, Paiva-Silva GO, Pénalva C, **Teleman AA*** and Edgar BA*. Fitness trade-offs incurred by ovary-to-gut steroid signaling in *Drosophila*. (2020) *Nature* 584:415-419. doi: 10.1038/s41586-020-2462-y.
2. Senyilmaz D, Virtue S, Xu X, Tan CY, Griffin JL, Miller AK, Vidal-Puig A and **Teleman AA**. Regulation of mitochondrial morphology and function by Stearoylation of TfR1. (2015) *Nature* 525:124-8
3. Schleich S, Strassburger K, Janiesch PC, Koledachkina T, Miller KK, Haneke K, Cheng Y-C, Kuechler K, Stoecklin G, Duncan KE and **Teleman AA**. DENR•MCT-1 Promotes Translation Reinitiation Downstream of uORFs to Control Tissue Growth. (2014) *Nature* 512: 208-212
4. Demetriades C, Doumpas N and **Teleman AA**. Regulation of TORC1 in response to amino acid starvation via lysosomal recruitment of TSC2. (2014) *Cell* 156:786-99
5. **Teleman AA**, Cohen SM. Dpp gradient formation in the *Drosophila* wing imaginal disc. (2000) *Cell* 103:971-80.
6. Webb CD*, **Teleman A***, 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

Education & Work Experience

- 2016-now Full Professor (W3), Medical Faculty, Heidelberg University
2012-now Head of Division "Signal Transduction in Cancer and Metabolism", DKFZ
2007-2012 Head of Junior Group "Signal Transduction in Cancer and Metabolism", DKFZ
2006-2007 Staff Scientist, European Molecular Biology Laboratory (EMBL), Germany
2002-2006 Postdoctoral Fellow, European Molecular Biology Laboratory (EMBL), Germany
2001-2002 Business Analyst, McKinsey & Co., New York, NY, USA
- Management strategy consulting in the pharmaceutical and biotech industries
- 1998-2001 Ph.D. studies, European Molecular Biology Laboratory (EMBL), Germany and Imperial College London, UK
- Ph.D. granted Feb 29, 2004
- 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.

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

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 nation-wide
1994	International Science and Engineering Fair winner (2nd place in USA)
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
2010	European Research Council (ERC) Starting Grant
2010	EMBO Young Investigator Award
2013	Walther-Flemming-Medal (German Society of Cell Biology)
2014	One of the “40 under 40” scientists selected worldwide by Cell for their anniversary feature
2016	Johann-Goerg-Zimmermann Prize
2016	European Research Council (ERC) Consolidator Grant
2020	EMBO Member

Research fields

Regulation of tissue growth & metabolism; Insulin and mTORC1 signaling; Drosophila development

Professional Experience & Scientific Duties

- Editor PLoS Genetics (2018-2019), Editorial Board Member BMC Biology (2015-). Advisory Board Member FEBS Letters (2019-).
- Reviewer for Cell, Nature, Science, Aging Cell, Developmental Cell, Cell Metabolism, Current Biology, Cell Reports, Nature Cell Biology, Nature Communications, EMBO Journal, Molecular Systems Biology, PNAS, PLoS Biology, PLoS Genetics, Development, Cancer Letters, Genes & Development, Experimental and Clinical Endocrinology & Diabetes, International J. Cancer, BMC Biology, etc.
- Grant reviewing: EMBO, Deutsche Forschungsgemeinschaft, Max Planck Society, Wellcome Trust, BMRC Singapore, Swiss National Science Foundation, U.S.A. National Science Foundation, Greek Ministry of Education, French ANR
- Committee member of DKFZ PhD program (“Helmholtz International Graduate School for Cancer Research”), DKFZ Distinguished Lecturer seminar series, and DKFZ-Bayer Alliance
- DKFZ Speaker for the “Cardiovascular and Metabolic Disease” Program (2014-2018)

- Vorstandsmitglied SFB “Bedeutung reaktiver Metabolite und posttranslationaler Proteinmodifikationen für Diabetes-bedingte zelluläre Dysfunktion und ihre Folgen”
- Member of Faculty of 1000 Biology
- Co-organizer of 2015 European Drosophila Research Conference

Grants (Past & Present)

- Coordinator (together with Stephan Herzig, Helmholtz Center Munich) of the Helmholtz Future Topic “Aging and Metabolic Programming” • 2017-2020 • 6 million euro
- ERC Consolidator Grant “Regulation of Cellular Growth and Metabolism by C18:0” • 2017-2021 • European Research Council (ERC) • 2.0 million euro
- SFB “Bedeutung reaktiver Metabolite und posttranslationaler Proteinmodifikationen für Diabetes-bedingte zelluläre Dysfunktion und ihre Folgen” • 2014-2017 • Deutsche Forschungsgemeinschaft • 1 PhD student
- ERC Starting Grant “Amino acid sensing by TOR” • 2010-2015 • European Research Council (ERC) • 1.5 million euro
- “EMBO Young Investigator Program Award” • 2011-2013 • European Molecular Biology Organization (EMBO) • 45,000 euro
- “In vivo functional analysis of dDRP” • 2010-2013 • Deutsche Forschungsgemeinschaft • 164,000 euro
- “Functional analysis of PPP2R5C as a readout of insulin signaling and metabolism” • 2010-2013 • Fritz Thyssen Stiftung • 130,000 euro
- “Role of sleep in methylglyoxal detoxification and diabetes” • 2010-2012 • Deutsche Forschungsgemeinschaft • 178,000 euro
- “Functional analysis of PRAS40 as a regulator of tissue growth” • 2009-2012 • Deutsche Krebshilfe • 230,000 euro
- “MITIN: Integration of the system models of mitochondrial function and insulin signaling, and its application in the study of complex disease” • 2008-2011 • EU FP7 Collaborative Project • 318,000 euro
- “Insulin Signaling in Drosophila melanogaster” • 2007-2012 • Helmholtz Young Investigator Award • 400,000 euro

Teaching

- Practical course “Methoden der molekularen Zellbiologie” • Faculty of Biology, Uni. Heidelberg • 1 SWS • 2008-2012
- Seminar course “Fluorescence Microscopy and Signaling” • Masters in Molecular and Cellular Biology, Uni. Heidelberg • 1 SWS • 2010-2013
- Tutorial on “Cancer and Metabolism” • Masters in Cancer Biology, Uni. Heidelberg • 2009-present
- Lectures for the Masters programs in Cancer Biology, Molecular and Cellular Biology, Biochemistry, and Developmental and Stem Cell Biology (2007-present)
- ~40 Lab Rotations for Masters programs in Molecular and Cellular Biology, Cancer Biology, and Developmental Biology, Uni. Heidelberg (2007 – present)
- 29 Masters students performed Mastes Thesis in the lab since 2007
- 10 students completed their PhD in the lab since 2007
- on PhD Thesis Advisory Committee for 90 students since 2007
- on PhD Defense Committee for 39 students since 2007, for Uni. Heidelberg, Uni Fribourg, (CH), ETH Zürich (CH), University College London (UK)

List of Publications

ResearcherID: E-6864-2013

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Average Citations per Article: 88 (as of April 2021)

h-index: 34 (as of April 2021)

1. Prentzell MT, Rehbein U, Sandoval MC, Meulemeester AD, Baumeister R, Brohée L, Berdel B, Bockwoldt M, Carroll B, Chowdhury SR, von Deimling A, Demetriades C, Figlia G, Genomics England Research Consortium16, Guimaraes de Araujo ME, Heberle AM, Heiland I, Holzwarth B, Huber LA, Jaworski J, Kedra M, Kern K, Kopach K, Korolchuk VI, van 't Land-Kuper I, Macias M, Nellist M, Palm W, Pusch S, Ramos Pittol JM, Reil M, Reintjes A, Reuter F, Sampson JR, Scheldeman C, Siekierska A, Stefan E, **Teleman AA**, Thomas LE, Torres-Quesada O, Trump S, West HD, de Witte P, Woltering S, Yordanov T, Zmorzynska J, Opitz CA, and Thedieck K. The G3BP proteins tether the TSC complex to lysosomes and suppress mTORC1 signaling. (2021) *Cell*. 184:655-674.e27 doi: 10.1016/j.cell.2020.12.024
2. Bohlen J, Harbrecht L, Blanco S, Clemm von Hohenberg K, Fenzl K, Kramer G, Bukau B and **Teleman AA**. DENR promotes translation reinitiation via ribosome recycling to drive expression of oncogenes including ATF4. (2020) *Nature Communications* 11:4676. doi: 10.1038/s41467-020-18452-2
3. Morgenstern J, Katz S, J Krebs, Chen J, Saadatmand A, Cortiz-Garcia F, Moraru A, Zemva J, Campos Campos M, **Teleman AA**, Backs J, Nawrotha P, and Fleming T. Phosphorylation of T107 by CamKII δ Regulates the Detoxification Efficiency and Proteomic Integrity of Glyoxalase 1. (2020) *Cell Reports*. 32:108160. doi: 10.1016/j.celrep.2020.108160
4. Figlia G, Willnow P and **Teleman AA**. Metabolites regulate cell signaling and growth by decorating the surface of proteins. (2020) *Developmental Cell* (invited Review) 54:156-170. doi: 10.1016/j.devcel.2020.06.036
5. Bohlen J, Fenzl K, Kramer G, Bukau B and **Teleman AA**. Selective 40S footprinting reveals cap-tethered ribosome scanning in human cells. (2020) *Molecular Cell* 79:561-574.e5. doi: 10.1016/j.molcel.2020.06.005
6. Romero-Pozuelo J, Figlia G, Kaya O, Martin-Villalba A and **Teleman AA**. Cdk4 and Cdk6 couple the cell cycle machinery to cell growth via mTORC1. (2020) *Cell Reports* 31:107504. doi: 10.1016/j.celrep.2020.03.068
7. Tiebe M, Lutz M, Senyilmaz Tiebe D and **Teleman AA**. Creb12 regulates cell metabolism in muscle and liver cells. (2020) *Scientific Reports* 9(1):19869. doi: 10.1038/s41598-019-56407-w
8. Ahmed SMH, Maldera JA, Krunic D, Paiva-Silva GO, Pénalva C, **Teleman AA*** (co-corresponding) and Edgar BA*. Fitness trade-offs incurred by ovary-to-gut steroid signaling in *Drosophila*. (2020) *Nature* 584:415-419. doi: 10.1038/s41586-020-2462-y.
9. Ma X, Lu J, Moraru A, **Teleman AA**, Xu T, Fang J, Qiu Y and Liu P. A Novel Regulator of ER Ca²⁺ Drives Hippo-mediated Tumorigenesis. (2020) *Oncogene* 39:1378-1387 doi: 10.1038/s41388-019-1076-z
10. Patel P, Pénalva C, Kardorff M, Roca M, Pavlović B, Thiel A, **Teleman AA** and Edgar B. Damage sensing by a Nox-Ask1-MKK3-p38 signaling pathway mediates regeneration in the adult *Drosophila* midgut. (2019) *Nature Communications* 10:4365. doi: 10.1038/s41467-019-12336-w

11. Bageritz J, Willnow P, Valentini E, Leible S, Boutros M and **Teleman AA**. Gene expression atlas of a developing tissue by single cell expression correlation analysis. (2019) Nature Methods 16:750-756. doi: 10.1038/s41592-019-0492-x
12. Dong Y, **Teleman AA**, Jedmowski C, Wirtz M, Hell R. The Arabidopsis THADA homologue modulates TOR activity and cold acclimation. (2019) Plant Biol: 21 *Suppl 1*, 77-83.
13. Strassburger K, Kang E, and **Teleman AA**. Drosophila ZDHHC8 palmitoylates scribble and Ras64B and controls growth and viability. (2019) PLoS One 14(2):e0198149. doi: 10.1371/journal.pone.0198149
14. Kwiatkowski S, Seliga AK, Vertommen D, Terreri M, Ishikawa T, Grabowska I, Tiebe M, **Teleman AA**, Jagielski AK, Veiga-da-Cunha M and Drozak J. SETD3 protein is the actin-specific histidine N-methyltransferase. (2018) eLife 2018 7:e37921 doi: 10.7554/eLife.37921
15. Sriram A, Bohlen J and **Teleman AA**. Translation acrobatics: how cancer cells exploit alternate modes of translational initiation. (2018) EMBO Reports doi: 10.15252/embr.201845947.
16. Tiebe M, Lutz M, Levy D, and **Teleman AA**. Phenotypic characterization of SETD3 knockout Drosophila. (2018) PLoS One 13(8):e0201609. 10.1371/journal.pone.0201609
17. Senyilmaz-Tiebe D, Pfaff DH, Virtue S, Schwarz KV, Fleming T, Altamura S, Muckenthaler MU, Okun JG, Vidal-Puig A, Nawroth P and **Teleman AA**. Dietary stearic acid regulates mitochondria *in vivo* in humans. (2018) Nature Communications 9:3129 doi: 10.1038/s41467-018-05614-6.
18. Sellin J, Wingen C, Gosejacob D, Senyilmaz D, Hänschke L, Büttner S, Meyer K, Bano D, Nicotera P, **Teleman AA** and Bülow MH. Dietary rescue of lipotoxicity-induced mitochondrial damage in Peroxin19 mutants. (2018) PLoS Biology 16(6):e2004893. doi: 10.1371/journal.pbio.2004893
19. Strassburger K and **Teleman AA**. Flies eat their veggies to survive the cold. (2018) Developmental Cell. 46:671-672. doi: 10.1016/j.devcel.2018.05.030
20. Ahmed YL, Schleich S, Bohlen J, Mandel N, Simon B, Sinning I and **Teleman AA**. DENR•MCTS1 heterodimerization and tRNA recruitment are required for translation reinitiation. (2018) PLoS Biology 16(6):e2005160. doi: 10.1371/journal.pbio.2005160
21. Moraru A, Wiederstein J, Pfaff D, Fleming T, Miller AK, Nawroth P and **Teleman AA**. Elevated levels of the reactive metabolite methylglyoxal recapitulate progression of Type 2 Diabetes. (2018) Cell Metabolism 27:926-934 doi: 10.1016/j.cmet.2018.02.003
22. Acevedo JM, Hoermann B, Schlimbach T and **Teleman AA**. Changes in global translation elongation or initiation rates shape the proteome via the Kozak sequence. (2018) Scientific Reports 8:4018. doi: 10.1038/s41598-018-22330-9
23. Bülow MH, Wingen C, Senyilmaz D, Gosejacob D, Sociale M, Bauer R, Schulze H, Sandhoff K, **Teleman AA**, Hoch M and Sellin J. Unbalanced lipolysis results in lipotoxicity and mitochondrial damage in peroxisome-deficient Pex19 mutants. (2018) Molecular Biology of the Cell 29:396-407. doi: 10.1091/mbc.E17-08-0535.
24. Zemva J, Pfaff D, Groener JB, Fleming T, Herzig S, **Teleman A**, Nawroth PP and Tyedmers J. Effects of the reactive metabolite Methylglyoxal on cellular signalling, Insulin action and metabolism – what we know in mammals and what we can learn from yeast. (2018) Experimental and Clinical Endocrinology & Diabetes Feb 8. doi: 10.1055/s-0043-122382
25. Dong Y, Silbermann M, Speiser A, Forieri I, Linster E, Poschet G, Allboje A, Watanabe M, Sticht C, **Teleman AA**, Deragon J-M, Saito K, Hell R, and Wirtz M. Sulfur availability



- regulates plant growth via glucose-TOR signaling. (2017) Nature Communications 8:1174 doi: 10.1038/s41467-017-01224-w
26. Dräger N, Nachman E, Winterhoff M, Brühmann S, Shah P, Katsinelos T, Boulant S, **Teleman AA**, Faix J, and Jahn T. Bin1 directly remodels actin dynamics through its BAR domain. (2017) EMBO Reports pii: e201744137. doi: 10.15252/embr.201744137
 27. Romero-Pozuelo J, Demetriades C, Schroeder P and **Teleman AA**. CycD/Cdk4 and discontinuities in Dpp signaling activate TORC1 in the Drosophila wing disc. (2017) Developmental Cell 42: 376-87. doi: 10.1016/j.devcel.2017.07.019
 28. **Teleman AA** and Perrimon N. Open questions: completing the parts list and finding the integrating signals. BMC Biol. (2017) 15:47 doi: 10.1186/s12915-017-0388-0.
 29. Strassburger K, Lorbeer FK, Lutz M, Graf F, Boutros M and **Teleman AA**. Oxygenation and adenosine deaminase support growth and proliferation of ex vivo cultured Drosophila wing imaginal discs. (2017) Development dev.147538. doi: 10.1242/dev.147538
 30. Schleich S, Acevedo JM, Clemm von Hohenberg K and **Teleman AA**. Identification of transcripts with short stuORFs as targets for DENR•MCTS1-dependent translation in human cells. (2017) Scientific Reports 7:3722. doi: 10.1038/s41598-017-03949-6
 31. Moraru A, Cakan-Akdogan G, Strassburger K, Males M, Mueller S, Jabs M, Muelleder M, Frejno M, Braeckman BP, Ralser M, and **Teleman AA**. THADA regulates the organismal balance between energy storage and heat production. (2017) Developmental Cell 41:72-81
 32. Pfaff DH, Fleming T, Nawroth P and **Teleman AA**. Evidence against a role for the Parkinsonism-associated protein DJ-1 in methylglyoxal detoxification. (2016) JBC 292:685-690
 33. Strassburger K and **Teleman AA**. Protocols to Study Growth and Metabolism in Drosophila. (2016) Methods Mol Biol. 1478:279-290.
 34. **Teleman AA**. Metabolism meets development at Wiston House. (2016) Development 143:3045-9
 35. **Teleman AA**. Role for Torsin in Lipid Metabolism. (2016) Dev Cell Aug 8;38(3):223-4. doi: 10.1016/j.devcel.2016.07.015
 36. Haas MA, Ngo L, Li SS, Schleich S, Qu Z, Vanyai HK, Cullen HD, Cardona-Alberich A, Gladwyn-Ng IE, Pagnamenta AT, Taylor JC, Stewart H, Kini U, Duncan KE, **Teleman AA**, Keays DA, Heng J I-T. De novo mutations in DENR disrupt neuronal development and link congenital neurological disorders to defective mRNA translation re-initiation. (2016) Cell Reports 15(10):2251-65. doi: 10.1016/j.celrep.2016.04.090
 37. Tsokanos F-F, Albert M-A, Demetriades C, Spirohn K, Boutros M, and **Teleman AA**. eIF4A inactivates TORC1 in response to amino acid starvation. (2016) EMBO Journal pii: e201593118
 38. Demetriades C, Plescher M, and **Teleman AA**. Lysosomal recruitment of TSC2 is a universal response to cellular stress. (2016) Nature Communications 7:10662. doi: 10.1038/ncomms10662
 39. Cheng Y-S, Seibert O, Klötting N, Dietrich A, Straßburger K, Fernández-Veledo S, Vendrell JJ, Zorzano A, Blüher M, Herzig S, Berriel Diaz M and **Teleman AA**. PPP2R5C couples hepatic glucose and lipid homeostasis. (2015) PLoS Genetics 11(10):e1005561
 40. Plescher M, **Teleman AA** (co-corresponding) and Demetriades C. TSC2 mediates hyperosmotic stress-induced inactivation of mTORC1. (2015) Scientific Reports 5:13828
 41. Senyilmaz D, Virtue S, Xu X, Tan CY, Griffin JL, Miller AK, Vidal-Puig A and **Teleman AA**. Regulation of mitochondrial morphology and function by Stearoylation of TfR1. (2015) Nature 525:124-8

42. Tiebe M, Lutz M, De La Garza A, Buechling T, Boutros M and **Teleman AA**. REPTOR and REPTOR-BP regulate organismal metabolism and transcription downstream of TORC1. (2015) Developmental Cell. 33:272-84
43. Senyilmaz D and **Teleman AA**. Chicken or the egg: Warburg effect and mitochondrial dysfunction. (2015) F1000 Prime Rep 10.12703/P7-41
44. Schleich S, Strassburger K, Janiesch PC, Koledachkina T, Miller KK, Haneke K, Cheng Y-C, Kuechler K, Stoecklin G, Duncan KE and **Teleman AA**. DENR•MCT-1 Promotes Translation Reinitiation Downstream of uORFs to Control Tissue Growth. (2014) Nature 512: 208-212
45. Demetriades C, Doumpas N and **Teleman AA**. Regulation of TORC1 in response to amino acid starvation via lysosomal recruitment of TSC2. (2014) Cell 156:786-99
46. Doumpas N, Jekely G and **Teleman AA**. Wnt6 is required for maxillary palp formation in *Drosophila*. (2013) BMC Biology 11:104
47. Doumpas N, Ruiz-Romero M, Blanco E, Edgar B, Corominas M and **Teleman AA**. Brk regulates wing disc growth in part via repression of Myc expression. (2013) EMBO Rep. 14:261-8
48. Miguel-Aliaga I, Oliver B, **Teleman AA**. The flies of Icarus: science with wings in Crete. (2012) EMBO Rep. 13:945-7
49. Straßburger K, Tiebe M, Pinna F, Breuhahn K and **Teleman AA**. Insulin/IGF signaling drives cell proliferation in part via Yorkie/YAP. (2012) Developmental Biology 367:187-96
50. **Teleman AA**, Ratzenböck I, Oldham S. *Drosophila*: A Model for Understanding Obesity and Diabetic Complications. (2012) Exp Clin Endocrinol Diabetes. March 8
51. Xu X, Gopalacharyulu P, Seppänen-Laakso T, Ruskeepää AL, Aye C, Carson B, Mora S, Orešič M and **Teleman AA**. Insulin signaling regulates fatty acid catabolism at the level of CoA activation. (2012) PLoS Genetics. 8(1):e1002478
52. Pallares C, Cakan-Akdogan G and **Teleman AA**. Tissue-specific coupling between insulin/IGF and TORC1 signaling via PRAS40 in *Drosophila*. (2012) Developmental Cell. 22:172-82
53. Albrecht S, Gomes-Barata A, Großhans J, **Teleman AA** and Dick T. In vivo mapping of hydrogen peroxide and oxidized glutathione reveals chemical and regional specificity of redox homeostasis. (2011) Cell Metabolism. 14:1-11
54. **Teleman AA**. Privileged Signaling for Brain Growth. (2011) Cell 146:346-7
55. Francis V, Zorzano A and **Teleman AA**. dDOR is an ecdysone receptor coactivator that forms a feed-forward loop connecting insulin and ecdysone signaling. (2010) Current Biology 20: 1799-808
56. Bryk B, Hahn K, Cohen SM and **Teleman AA**. MAP4K3 regulates body size and metabolism in *Drosophila*. (2010) Developmental Biology 344:150-7
57. Hahn K, Miranda M, Francis VA, Vendrell J, Zorzano A and **Teleman AA**. PP2A regulatory subunit PP2A-B' counteracts S6K phosphorylation. (2010) Cell Metabolism. 11:438-44.
58. **Teleman AA**. miR-200 De-FOGs Insulin Signaling. (2010) Cell Metabolism. 11:8-9.
59. 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.
60. **Teleman AA**. Molecular mechanism of metabolic regulation by insulin in *Drosophila*. (2009). Biochemical Journal. 425(1):13-26.
61. 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
62. **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

63. Easow G, **Teleman AA**, Cohen S. Isolation of microRNA targets by miRNP purification. (2007) RNA 13:1198-1204
64. 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
65. **Teleman AA** and Cohen SM. Drosophila lacking microRNA miR-278 are defective in energy homeostasis. (2006) Genes Dev 20:417-22
66. **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.
67. **Teleman AA**, Chen YW, Cohen SM. Drosophila melted modulates FOXO and TOR activity. (2005) Dev Cell 9:271-81.
68. Mikeladze-Dvali T, Wernet MF, Pistillo D, Mazzone 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
69. **Teleman AA**, Strigini M, Cohen SM. Shaping morphogen gradients. (2001) Cell 105:559-62
70. **Teleman AA**, Cohen SM. Dpp gradient formation in the Drosophila wing imaginal disc. (2000) Cell 103:971-80.
71. **Teleman AA**, Graumann PL, Lin DC, Grossman AD, Losick R. Chromosome arrangement within a bacterium. (1998) Curr Biol 8:1102-9
72. 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
73. 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.
74. 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
75. 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