Georg Stoecklin, MD, PhD **Curriculum Vitae**
Helmholtz Junior Research Group Posttranscriptional Control of Gene Expression
German Cancer Research Center (DKFZ), DKFZ-ZMBH Alliance
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Academic Career

1989 - 1990	Medical School, University of Neuchâtel, Switzerland
1990 - 1997	M.D. Medical School, University of Basel, Switzerland
1997 - 2000	Ph.D. Biology M.D./Ph.D. Program, University of Basel, Switzerland
2000 - 2001	Postdoctoral Fellow, Institute of Medical Microbiology, University of Basel,
2002 - 2004	Postdoctoral Fellow, Brigham and Women's Hospital, Boston, MA, USA
2004 - 2006	Instructor of Medicine, Harvard Medical School, Boston, USA
2006	Helmholtz Young Investigator, German Cancer Research Center, Heidelberg

Licensure and Certification

1996	Medizinisches Staatsexamen, University of Basel, Switzerland

Awards and Honors

1990	Prix Ernest Leuba, University of Neuchâtel, Switzerland
1996	Medical Faculty Prize, University of Basel, Switzerland
2001	Paul Basset Prize, European Cancer Center Meeting, Strasbourg, France
2003	Travel Award, RNA-Society, Meeting on AU-rich elements, Florence
2004	Promoted Speaker Award, Gordon Research Conference, Andover, NH, USA

Funding Information

1997-1999	Swiss Academy of Medical Sciences	Co-PI	Isolation of mutant cell lines defective in rapid interleukin-3 mRNA decay.
2000	Roche Research Foundation	Co-PI	Cloning of a regulator required for ARE-mediated mRNA degradation.
2002-2004	Swiss National Science Foundation	Co-PI	Huntingtin Disease and the stress response: TIA Proteins and Huntingtin aggregation.
2006-2011	Helmholtz Association	PI	Regulation of mRNA turnover in normal and tumor cells
2007-2008	German Cancer Research Center	PI	Intramural grant: Regulation of cytokine expression by microRNAs
2009-2010	German Cancer Research Center	PI	Intramural grant: Posttranscriptional regulation of Siah ubiquitin ligases by TIAR

Teaching

Faculty of Medicine, University of Basel

1997-1999	Tutor in medical microbiology 6 hours per year, 12 students
1997-2000	Co-supervisor, practical course in medical microbiology 16 hours per year, 60 students
1997-2001	Co-examinator in medical microbiology 8 hours per year, 16 students
1999-2001	Direct supervisor of Technical Research Assistants 5 hours per week

Faculty of Science, University of Basel

1998-2000	Direct supervisor of two diploma students 5 hours per week

Brigham and Women's Hospital, Harvard Medical School, Boston

2002-2006	Direct supervisor of summer students and Technical Research Assistants 5 hours per week

Friedrich Miescher Institute, Basel

2007-present	Lecturer, Lecture Series Structure, Processing and Function of RNA (PhD level) 2 hours per year

Faculty of Biosciences, University of Heidelberg

2006-present	Supervisor, practical course "Methods in Molecular Cell Biologie" (bachelor lv) 40 hours per year, 16 students
2007	Supervisor, Seminar "The RNA World" (bachelor and master level) 28 hours per year, 12 students
2006-present	Direct supervisor of PhD-, diploma-, master- and bachelor-students 10 hours per week
2007-present	Lecturer, Frontiers in biosciences (master level) 2 hours per year
2008-present	Lecturer, Special topics in molecular and cellular biology (master level) 2 hours per year

Publications: Original Research Articles

1. Stoecklin G, Hahn S, Moroni C. Functional hierarchy of AUUUA motifs in mediating rapid interleukin-3 mRNA decay. J Biol Chem 1994;269:28591-7.
2. Stoecklin G, Ming XF, Looser R, Moroni C. Somatic mRNA turnover mutants implicate tristetraprolin in the interleukin-3 mRNA degradation pathway. Mol Cell Biol 2000;20:2753-63.
3. Ming XF, Stoecklin G, Lu M, Looser R, Moroni C. Parallel and independent regulation of interleukin-3 mRNA turnover by phosphatidylinositol 3-kinase and p38 mitogen-activated protein kinase. Mol Cell Biol 2001;21:5778-89.
4. Stoecklin G, Stoeckle P, Lu M, Muehlemann O, Moroni C. Cellular mutants define a common mRNA degradation pathway targeting cytokine AU-rich elements. RNA 2001;7:1578-88.
5. Chen CY, Gherzi R, Ong S, Chan E, Raijmakers R, Pruijn GJM, Stoecklin G, Moroni C, Mann M, Karin M. AU-binding proteins recruit the exosome to degrade ARE-containing mRNAs. Cell 2001;107:451-64.
6. Stoecklin G, Colombi M, Raineri I, Leuenberger S, Mallaun M, Schmidlin M, Gross B, Lu M, Kitamura T, Moroni C. Functional cloning of BRF1, a regulator of ARE-dependent mRNA turnover. EMBO J 2002;21:47099-18.
7. Stoecklin G, Gross B, Ming XF, Moroni C. A novel mechanism of tumor suppression by destabilizing AU-rich growth factor mRNA. Oncogene 2003;22:3554-61.
8. Stoecklin G, Lu M, Rattenbacher B, Moroni C. A constitutive decay element promotes tumor necrosis factor alpha mRNA degradation via an AU-rich element-independent pathway. Mol Cell Biol 2003;23:3506-15.
9. Stoecklin G, Stubbs T, Kedersha N, Wax S, Rigby WFC, Blackwell TK, Anderson P. MK2-induced tristetraprolin:14-3-3 complexes prevent stress granule association and ARE-mRNA decay. EMBO J 2004, 23:1313-24.
10. Gilks N, Kedersha N, Ayodele M, Shen L, Stoecklin G, Dember LM, Anderson P. Stress granule assembly is mediated by prion-like aggregation of TIA-1. Mol Biol Cell 2004;15:5383-98.
11. Schmidlin M, Lu M, Leuenberger SA, Stoecklin G, Mallaun M, Gross B, Gherzi R, Hess D, Hemmings BA, Moroni C. The ARE-dependent mRNA-destabilizing activity of BRF1 is regulated by protein kinase B. EMBO J 2004;23:4760-69.
12. Kedersha N, Stoecklin G, Ayodele M, Yacono P, Lykke-Andersen J, Fritzler MJ, Scheuner D, Kaufman RJ, Golan DE, Anderson P. Stress granules and Processing Bodies are dynamically linked sites of mRNP remodeling. J Cell Biol 2005;169:871-84.
13. Stoecklin G, Mayo T, Anderson P. ARE-mRNA degradation requires the 5'-3' decay pathway. EMBO Rep 2006;7:72-7.
14. Benjamin D, Colombi M, Stoecklin G, Moroni C. A GFP-based assay for monitoring post-transcriptional regulation of ARE-mRNA turnover. Mol Biosyst 2006;2:561-7.
15. Sun L, Stoecklin G, Van Way S, Hinkovska-Galcheva V, Guo RF, Anderson P, Shanley TP. TTP/14-3-3 complex formation protects TTP from dephosphorylation by protein phosphatase 2A and stabilizes TNF-alpha mRNA. J Biol Chem 2007; 282:3766-77.
16. Yamasaki S, Stoecklin G, Kedersha N, Simarro M, Anderson P. T-cell intracellular antigen-1 (TIA-1)-induced translational silencing promotes the decay of selected mRNAs. J Biol Chem 2007; 282: 30070-77.
17. Schwede A, Ellis L, Luther J, Carrington M, Stoecklin G, Clayton C. A role for Caf1 in mRNA deadenylation and decay in trypanosomes and human cells. Nucl Acids Res 2008;36:3374-88.
18. Stoecklin G, Tenenbaum SA, Mayo T, Chittur SV, George AD, Baroni TE, Blackshear PJ, Anderson P. Genome-wide analysis identifies interleukin-10 mRNA as target of tristetraprolin. J Biol Chem 2008;283:11689-99.

Publications: Review Articles

1. Anderson P, Phillips K, Stoecklin G, Kedersha N. Posttranscriptional regulation of pro-inflammatory proteins. J Leuk Biol 2004;76:42-47.
2. Newbury S, Mühlemann O and Stoecklin G. Turnover in the Alps: an mRNA perspective. EMBO Rep 2006;7:143-8.
3. Stoecklin G, Anderson P. Post-transcriptional mechanism regulating the inflammatory response. Adv Immunol 2006;89:1-37.
4. Stoecklin G, Anderson P. In a tight spot: ARE-mRNAs at processing bodies. Genes & Dev 2007;21:627-31.
5. Sandler H and Stoecklin G. Control of mRNA decay by phosphorylation of tristetraprolin. Biochem Soc Trans 2008;36:491-6.