

## Publications in the Life Sciences:

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- C. Bagutti, G. Forro, J. Ferralli, B. Rubin, R. Chiquet-Ehrismann (2003) The intracellular domain of teneurin-2 has a nuclear function and represses zic-1-mediated transcription. *J Cell Sci.* 116:2957-2966
- B. P. Rubin, Richard P. Tucker, M. Brown-Luedi, D. Martin, and R. Chiquet-Ehrismann (2002) Teneurin-2 is expressed by the neurons of the thalamofugal visual system in situ and promotes homophilic cell-cell adhesion in vitro. *Development* 129: 4697-4705
- R.P.Tucker, R. Chiquet-Ehrismann, M.P. Chevron, D. Martin, R.J. Hall, B.P. Rubin (2001) Teneurin-2 is expressed in tissues that regulate limb and somite pattern formation and is induced in vitro and in situ by FGF8. *Dev. Dyn.* 220: 27-39.
- B.P. Rubin, R.P. Tucker, D. Martin, and R. Chiquet-Ehrismann (1999) Teneurins: a novel family of neuronal cell surface proteins in vertebrates, homologous to the *Drosophila* pair-rule gene product Ten-m. *Dev. Biol.* 216: 195-209.
- A.D. Minet, B.P. Rubin, R.P. Tucker, S. Baumgartner, and R. Chiquet-Ehrismann (1999) Teneurin-1, a vertebrate homologue of the *Drosophila* pair-rule gene ten-m, is a neuronal protein with a novel type of heparin-binding domain. *J Cell Sci.* 112: 2019-2032
- C. Capper-Loup, B.P. Rubin, and G. Rager (1999) Extracellular matrix and development of lamination in the dorsal lateral geniculate nucleus in the tree shrew (*Tupaia belangeri*). *Anat. Embryol.* 199: 549-561.
- E.L. Imperato-Kalmar, R.A. McKinney, L. Schnell, B.P. Rubin, and M.E. Schwab (1997) Local Changes in vascular architecture following partial spinal cord lesion. *Exp. Neurol.* 145: 322-328
- U. Bartsch, C.E. Bandtlow, L. Schnell, S. Bartsch, A. Spillmann, B.P. Rubin, D. Montag, M.E. Schwab, and M. Schachner (1995) Lack of evidence that the myelin associated glycoprotein (MAG) is a major inhibitor of axonal regeneration. *Neuron*, 15: 1375-1381
- B.P. Rubin, A. Spillmann, C.E. Bandtlow, F. Keller, and M.E. Schwab (1995) Detergent solubilized myelin proteins inhibit PC12 cell-attachment and neurite outgrowth. *Eur. J. Neurosci*, 7: 2524-2529
- D. Bartholdi\*, B.P. Rubin\* and M.E. Schwab (1997) VEGF mRNA induction correlates with changes in the vascular architecture upon spinal cord damage in the rat. *Eur. J. Neurosci.* 12: 2549-2560 (\*both authors contributed equally).
- D.M. Lang, B.P. Rubin, M.E. Schwab, and C. A.O. Stürmer (1995) CNS myelin and oligodendrocytes of the *Xenopus* spinal cord-but not optic nerve-are non permissive for axon growth. *J. Neurosci.* 15: 99-109
- B.P. Rubin, I. Dusart, and M.E. Schwab (1994) A monoclonal antibody (IN-1) which neutralizes neurite growth inhibitory proteins in the rat central nervous system recognizes antigens localized in the white matter. *J. Neurocytol.* 23: 209-217
- P.J. Harris and B.P. Rubin (1987) Transition from mitosis to interphase in sea urchin first division: Immunofluorescence studies of tubulin distribution in methacrylate sections. *J. Histochem. Cytochem.* 35: 343-349

## **Publications in Science Studies and Bioethics:**

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- B.P. Rubin (2008) "The therapeutic promise in the discourse on human embryonic stem cell research." Opening article for a special issue of *Science as Culture* "Future Visions of stem cell science" 17:13-27
- B.P. Rubin (2007) „The therapeutic promise of human stem cell research“ („Das therapeutische Versprechen der humanen Stammzellforschung"). In: S. Graumann und K. Grüber eds.: *Mensch - Ethik - Wissenschaft*, Band 4, LIT Verlag, Münster 2007, 180-192
- B.P. Rubin (2006) „Therapy with embryonic stem cells, what is the attitude of the public?“ („Therapie mit embryonalen Stammzellen - wie steht die Öffentlichkeit zu den ethischen Fragen?“). Themenheft *Therapeutische Umschau*: „Läuft die Ethik der Pränatalen Medizin hinterher oder voran?“ 63: 721-726
- U. Fahr, S. Reiter-Theil, B.P. Rubin "Open mindedness in bioethics, about the controversy in stem cell research" („Weltanschauliche Offenheit in der Bioethik, Zur Kontroverse um die Stammzellforschung"). In: E. Baumann, A. Brink, A. May, P. Schröder, C. Schutzeichel eds.: *Ethik, Weltanschauung, Wissenschaft*, Berlin, 2004.
- B.P. Rubin (2004) „Some thoughts on the public vote of the 28.11.04“ („Einige Gedanken zur Abstimmung vom 28.11.04"). Editorial in *Revue Suisse de Droit de la Santé* 4:2
- B.P. Rubin, K. Rizzo, S. Bartels (2004) „The knowledge about disease, both a blessing and a curse“, a meeting report („Fluch und Segen des Wissens um Krankheit, Tagungsbericht zum Patientenforum Medizinische Ethik"). *Zentralblatt für Gynäkologie*, 126: 3-6
- B. P. Rubin, A. Gratwohl und S. Reiter-Theil (2002) "Stem cell research: Potential for ethical conflicts and expectations for the clinic" (Stammzellforschung: Ethisches Konfliktpotential und Klinischer Erwartungshorizont). *Onkologe*, 9: 128-139
- B.P. Rubin (2003) Expertise about the therapeutic prospects of human stem cell research, part of a study commissioned by the centre of technology assessment of the Swiss Science and Technology Council in Bern. In: B. Hüsing, E. Engels, R. Frietsche, S. Gaisser, K. Menrad, B. Rubin, R.J. Schweizer TA 44/2003 *Menschliche Stammzellen* ([http://www.ta-swiss.ch/www-remain/reports\\_archive/publications/2003/Menschliche\\_Stammzellen.pdf](http://www.ta-swiss.ch/www-remain/reports_archive/publications/2003/Menschliche_Stammzellen.pdf))
- B.P. Rubin (2001) Report on the workshop on "Biological Safety" as part of the conference „Risk society – In the search for security“ of the association *Zivilgesellschaft*, 9./10. November 2001 in Ermatingen, Switzerland, published in the *Schweizer Monatsheften*, Dez./Jan, 2001/2002

## Teaching and Talks in Bioethics and Science Studies:

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- 28.10.2002 „Open minds– closed minds: can one still or again talk about stem cell research without a bias?“ („Open minds – closed minds: Kann man über die Stammzellforschung noch / wieder unvoreingenommen reden?“), Symposium zu ethischen Aspekten der medizinischen Forschung, Jahrestagung der deutschen und österreichischen Gesellschaft für Hämatologie und Onkologie, München
- 26.11.2002 „Research on human stem cells: scientific and ethical issues“, Institut für Sozial- und Präventivmedizin der Universität Basel
- Summer Term 2003 Graduate seminar „The debate on human stem cell research: biological, ethical and political perspectives“ („Die Debatte um die humane Stammzellforschung: Biologische, ethische und politische Perspektiven“); with Prof. C.Rehmann – Sutter, Universität Basel
- 1.7.2004 „Public understanding of Science, the debate on gene technology, workshop „Risks, ethics and doing research in nanosciences“, NCCR "Nanoscale Science", Workshop, Wissenschaftsforschung und der Arbeitsstelle für Ethik in den Biowissenschaften, Universität Basel
- 20.4.2005 „The media debate between ethics and the fountain of youth: regenerative medicine makes stem cell research socially acceptable“ („Mediendebatte zwischen Ethik und Jungbrunnen: Regenerative Medizin macht Stammzellforschung gesellschaftsfähig“) with Prof. Maasen, Konferenz, „Forschung in den Schlagzeilen – Biomedizin und Reproduktionstechniken in den Massenmedien“, ZIF, Universität Bielefeld
- 23.02.2006 „Stem cell therapy: both material and social technology („Stammzelltherapie: zwischen materialer und sozialer Technologie“), Graduierten Konferenz der Wissenschaftsforschung, Universität Basel
- 26.03.2006 „The therapeutic promise, as central element in the controversy on human stem cell research“ (Das "therapeutische Versprechen" als zentrales Element in der Kontroverse um die humane Stammzellforschung), Weiterbildungskurs, "Wissenschaft und Weisheit", Universität Zürich
- 27.06.2006 „On the fountain of youth and regenerative medicine – an analysis of the media debate on stem cell research“ (Vom "Jungbrunnen und Regenerativer Medizin- Eine Analyse der Mediendiskussion über die Stammzellforschung“), Friedrichshainer Kolloquium "Geschaffenes Leben", Institut für Mensch, Ethik und Wissenschaft, Berlin
- 23.08.2006 "Human Stem cell research: changes in the semantics and rhetorics of the therapeutic promise", EASST conference 2006 "Reviewing humanness: bodies, technologies and spaces", Lausanne
- Summer Term 2007 Seminar „Bio“ meets „Society“ Die Herausforderung der Gesellschaft durch die neuen Biowissenschaften, with Prof. S. Maasen, Universität Basel
- 4.03.2008 „Plastic brains in a plastic society? Ein Paradigmenwechsel in der Forschung zur adulten Neurogenese“ Kick-Off-Workshop "Tracking the Human", Collegium Helveticum
- 22.08.2008 "In defense of a human brain? The analysis of a paradigm shift in neurobiological research", part of the session „Tracking the human: technologies of collecting,

ordering and comparing, or the problem of relevant knowledge” organized by Beatrix Rubin & Priska Gisler, EASST 2008, Rotterdam

- 1.12.2008 “Changing brains in a dynamic society, A recent shift in the understanding of the human brain”, Aarhus mirror workshop organized by the European Neuroscience and Society Network, University of Aarhus
- 4.5.2009 “Changing brains, shifts in plasticity” (“Wandlungsfähige Gehirne, Verschiebungen in der Wahrnehmung der Plastizität”) Workshop, “Tracking concepts of human nature: Thought styles in disciplinary and interdisciplinary research”, Collegium Helveticum

### **Organization of Conferences and Workshops:**

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- 15.-16.7.2002 “The knowledge about disease, both a blessing and a curse, Patient Conference on Medical Ethics”; Preparation and moderation of the workshop „Predictive Genetic Diagnostics“ together with PD. Dr. Feuerstein (Universität Hamburg) and Prof. Damm (Universität Bremen) Evangelische Akademie Tutzing / München
- 23.-25.10.2002 „From Global Inequity towards a Humane World, First Engelberg Dialogue on Science”, Academia Engelberg; Participation in the program committee of the conference and moderation of the workshop, „Science and public trust“ together with Prof. Maasen, Universität Basel
- 1.-3.9.2003 Moderation of the panel discussion at the conference „The Future of Transplantation of cells, tissue, and organs” organised by the national research program on transplantation (NFPR 46), Monte Verità, Ascona, Switzerland

### **Selected Papers: Communicating Science**

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- 1991 Science fair “Heureka” in Zurich: Concept and planning of the public presentation on neurobiological research by the group of Prof. M.E. Schwab, University of Zurich
- 5/6 1998 Concept and planning of two open door events at the Friedrich Miescher-Institute in Basel, in response to the public initiative on gene technology.
- 12/2001 – 5/2003 Seven presentations of the biomedical aspects of stem cell research and discussions of the ethical issues with different lay publics in Switzerland and Germany.
- 9.01.2002 Participation in the discussion on ethical questions of biomedicine at the Frey-Grynaeischen Institut with Prof. Gäbler, Dean of the University of Basel (other participants: Dr. Thomas Gelzer, Prof. Herrling, Prof. Holzgreve, Prof. Knowles, Prof. Plattner, Prof. Rehmann-Sutter, Prof. Reiter-Theil)
- 20.4.2002 Participation in a public panel discussion: “Philosophical debate: „Natural Sciences and Humanities confronting each other“ (“Naturwissenschaften und Geisteswissenschaften im Spannungsfeld”) (other participants: PD. Dr. Behrens, Dr. Füzesi, Prof. Horn, Perinelli, Dr. Sommer) organised by the adult education centres in Basel and Loerrach
- 31.5. 2002 - 14.3.2005 Participation at the round table, „Stem Cells“, a discussion between experts and lay people comprising several stages, organised by Science et Cité und the national research program on transplantation (NFPNR 46)

Interview with Dr. Morgner: „Human life should not be instrumentalised“ („Menschliches Leben sollte nicht instrumentalisiert werden“) Bioworld, 3-2002

Interview with von Ledebur on the „Scientific uncertainties and genetically programmed wishes and the role of the public“ („Die wissenschaftliche Unsicherheiten, genetisch programmierte Wünsche und die Rolle der Öffentlichkeit“) Kulturmagazin soDA # 19 Dez. 2002

Interview with Dr.Heuss, “On the societal implications of cord blood banking” Swiss Public Radio, Input, 22.10.2006