

Curriculum Vitae**December 2004****Education**

- 1985 **High school diploma:** Rober-Mayer-Gymnasium Heilbronn, Germany (advanced placement courses: Chemistry, Biology).
- 1985-1991 **Studies in Biology** at the Universities of Stuttgart (1985-1987), Tübingen (1989), and Heidelberg (1989-1992), Germany. Interrupted by the mandatory Community Service (see below).

Research Experience

- 1986-1991 **Undergraduate Research at the following institutes** (2 months minimum): *Institute of Genetics and Microbiology*, University of Würzburg (1986), *ZMBH Heidelberg* (1988), *Institute of Human Genetics*, University of Heidelberg (1989-1990), *DKFZ Heidelberg* (1990), *Max-Planck Institute of Developmental Biology*, Tübingen (1991).
- 1987-1988 **Community service** (“Zivildienst”) at the *Institut für Immunologie* (University of Heidelberg (Note: this was during my studies).
- 1992 **Diploma thesis** at the *Max-Planck-Institut für medizinische Forschung* (Heidelberg). Title: “**The murine 5-HT₃ receptor gene**”.
- 1993-1997 **PhD thesis** at the European Molecular Biology Laboratory (EMBL) Heidelberg. Title: “**Biochemical studies on the limb deformity proteins of vertebrates.**”
- 1997 - 2001 **Postdoctoral research** in the Department of Genetics (University of Washington) on the analysis of **protein-protein interactions in yeast**.
- April 2001 - **Group leader** at the Institute of Genetics, Research Center Karlsruhe, Germany.

Extracurricular Scientific Activities

- 1986 Second participation in *Jugend forscht*, the biggest science competition for students under 21 in Germany; first prize in our state Baden-Württemberg with a computer programme for DNA sequence analysis. Fifth prize in the country.
- 1995 Establishment of the **EMBL Reptile Database** (together with Thure Etzold, EMBL)

Fellowships, Distinctions, and Awards

- 1986 *Jugend forscht*, various awards, see *Extracurricular Scientific Activities*
- 1992 **Max-Planck predoctoral fellowship**
- 1992-1997 **EMBL predoctoral fellowship**
- 1997-1999 **DAAD postdoctoral fellowship**
- 2000- **Ad hoc reviewer** for *Nature Biotechnology*, *Nature Reviews*, *Bioinformatics*, *Genome Research*, *Journal of Molecular Biology*, *Journal of Biology*, *TIBS*, and others.
- 2001-2003 **Editorial Board Member** of *Applied Genomics and Proteomics*
- 2003-2004 **Ad-hoc reviewer** for the US National Science Foundation (NSF), the Biomedical Research Council of Singapore, and The Knowledge Foundation, Sweden.

Publication list (without abstracts)**December 2004**

Note: papers that are “in press” are available on my public web site; manuscripts that have been *submitted* or that are *under revision* are available at <http://itgmv1.fzk.de/www/itg/uetz/manuscripts/> (not public).

5 most important ones shaded gray

Original Research Articles (including methods papers)

- [1] Uetz P. et al. (1994) **Organisation of the murine 5-HT3 receptor gene and assignment to human chromosome 11.** *FEBS Lett.* **339**: 302-306
- [2] Uetz P. & Zeller R. (1996) **Vectors for the expression of protein A fusion proteins in vertebrate cells.** *Anal. Biochem.* **237**: 161-163
- [3] Uetz P. et al. (1996) **Molecular interactions between limb deformity proteins (formins) and Src family kinases,** *J. Biol. Chem.* **271** (52): 33525-33529
- [4] Uetz P. et al. (2000) **A comprehensive analysis of protein-protein interactions in *Saccharomyces cerevisiae*.** *Nature* **403**: 623-627 (cited >1,000 times)
- [5] Cagney G., Uetz P. & Fields S. (2000) **High-throughput screening for protein-protein interactions using the two-hybrid assay.** *Meth. Enzymol.* **328**: 3-14
- [6] Schwikowski B., Uetz P. & Fields S. (2000) **A network of interacting proteins in yeast.** *Nature Biotechnology* **18** (12): 1257-1261 (cited ~200 times)
- [7] Cagney G. & Uetz P. (2001) **High-throughput two-hybrid screening using yeast arrays.** *Current Protocols in Protein Science* **19.6**: 1-12.
- [8] Cagney G., Uetz P. & Fields S. (2001) **Two-hybrid analysis of the *Saccharomyces cerevisiae* 26S proteasome.** *Physiological Genomics* **7**: 27-34.
- [9] Burchett S.A., Flanary P., Aston C.W., Jiang L., Young K.H., Uetz P., Fields S. & Dohlman H.G. (2002) **Regulation of Stress Response Signaling by the N-terminal DEP (dishevelled/ EGL-10/pleckstrin) domain of Sst2, a Regulator of G Protein Signaling in *Saccharomyces cerevisiae*.** *J. Biol. Chem.* **277** (25): 22156-22167.
- [10] Guo M., Aston C., Burchett S.A., Dyke C., Fields S., Rajarao S.J.R., Uetz P., Wang Y., Young K. & Dohlman H.G. (2003) **The yeast G protein subunit Gpa1 transmits a signal through a novel effector RNA-binding protein Scp160.** *Molecular Cell* **12**: 517-524.
- [11] Vollert C.S. & Uetz P. (2004) **The PX protein domain interaction network of yeast.** *Mol. Cell. Proteomics* **3**: 1053-1064
- [12] Antoniaci L.M., Kenna M.A., Uetz P., Fields, S. & Skibbens R.V. (2004) **The spindle pole body assembly component Mps3p/Nep98p functions in sister chromatid cohesion.** *J. Biol. Chem.* **279**: 49542-49550

Publication list, cont'd

- [13] Wilkinson C.R.M., Dittmar G.A.G.; Ohi M.D., **Uetz P.**, Jones N. & Finley D. (2004) **Ubiquitin-like Protein Hub1 is Required for pre-mRNA Splicing and Localization of an Essential Splicing Factor in Fission Yeast.** *Current Biology* **14** (24), published online Nov. 4, 2004.
- [14] **Uetz P.**, Dong Y.-A., Zeretzke C., Roupelieva M., Hentschel U., Rose D., Atzler D. & Haas J. (2004) **Distinct topology of herpesviral and cellular protein networks.** *Under revision.*
- [15] Sharan R., Suthram S., Kelley R.M., Kuhn T., McCuine S., **Uetz P.** Sittler T., Karp R.M. & Ideker T. (2004) **Conserved Patterns of Protein Interaction in Multiple Species.** *Submitted.*

Invited Reviews

- [16] **Uetz P.**, Hughes R.E. & Fields S. (1998) **The Two-Hybrid System: Finding Likely Partners for Lonely Proteins.** *Focus* **20** (3): 62-65
- [17] **Uetz P.** & Hughes R. (2000) **Systematic and large-scale two-hybrid screens.** *Curr. Opinion in Microbiol.* **3** (3): 304-309
- [18] Tucker C.L., Gera J.F. & **Uetz P.** (2001) **Towards an understanding of complex protein interaction maps.** *Trends in Cell Biology* **11** (23): 102-106
- [19] **Uetz P.** (2001) **Two-Hybrid Arrays.** *Current Opinion in Chemical Biology*, **6**: 57-62
- [20] **Uetz P.** (2002) **Protein-Protein-Interactions in Yeast.** *Bioforum International* **6** (3): 157-159
- [21] **Uetz P.** (2002) **Proteomik: Proteine im (Hefe-) Kontext.** *FZK-Nachrichten* **33** (1): 55-60.
- [22] **Uetz P.** & Pankratz M. (2004) **Protein interaction maps on the fly.** *Nature Biotech.* **22** (1): 43-44
- [23] **Uetz P.** & Vollert C.S. (2004) **Protein-Protein Interactions.** *Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine*, Springer Verlag (*in press*).
- [24] Vollert C.S. & **Uetz P.** (2004) **The Two-hybrid System.** *Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine*, Springer Verlag (*in press*).
- [25] Titz B., Schlesner M. & **Uetz P.** (2004) **What do we learn from high-throughput protein interaction data and networks?** *Expert Reviews in Proteomics* **1**: 89-99
- [26] **Uetz P.**, Rajagopala S.V., Dong Y.-A. & Haas J. (2004) **From ORFeomes to protein interaction maps in viruses.** *Genome Research* **14**: 2029-2033.

*Publication list, cont'd***Books and book chapters**

- [27] **Uetz P.** & Kuner T. (1988) **GenForscher**. Cornelsen-Verlag, Berlin (ISBN 3-464-05977-2) [educational book and software on DNA sequence analysis]
- [28] **Uetz P.**, Ideker T. & Schwikowski B. (2002) **Visualization and integration of protein-protein interactions**. In: Golemis, E. (ed.) Protein-Protein Interactions – A Molecular Cloning Manual. Cold Spring Harbor Laboratory Press, pp. 623-646
- [29] **Uetz P.** & Pohl E. (2004) **Protein-DNA und Protein-Protein-Interaktionen**. In: Wink, M. (ed.), Molekulare Biotechnologie, Wiley-VCH, pp. 385-407.
- [30] Serebriskii I.; Golemis E. & **Uetz P.** (2004) **The yeast two-hybrid system for detecting interacting proteins**. In: Walker, J.M. (ed.) The Proteomics Handbook, Humana Press, Totowa (NJ), (*in press*).
- [31] **Uetz P.** & Grigoriev A. (2004) **The yeast interactome**. *Encyclopedia of Genetics, Genomics, Proteomics and Bioinformatics*, John Wiley and Sons, *in press*.

Herpetology

- [32] **Uetz P.** (1983) **Bemerkungen zur Inkubation von *Chamaeleo laevigatus* unter künstlichen Bedingungen**. *Herpetofauna* 5 (22): 26-27 [*my first publication!*]
- [33] **Uetz P.** & Etzold T. (1996) **The EMBL/EBI Reptile Database**. *Herpetol. Review* 27 (4): 174-175
- [34] **Uetz P.** (2000) **How many reptile species?** *Herpetol. Review* 31 (1): 13-15

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