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Kurzlebenslauf: o. Univ.-Prof. Dr. Roland Psenner

Roland Psenner, geboren 1950 in Bozen, studierte Biologie, Limnologie und Biochemie an der Uni Innsbruck, wo er auch promovierte. Von 1977 bis 1986 war er Postdoc an der Österreichischen Akademie der Wissenschaften, wo er 1988-1990 als wissenschaftlicher Mitarbeiter forschte. 1987 war Psenner als Raumplaner in seiner Heimat Südtirol tätig. 1991 wurde er außerordentlicher, 1997 ordentlicher Universitätsprofessor für Limnologie an der Universität Innsbruck. Sein Forschungsinteresse gilt insbesondere den Auswirkungen des Klimawandels auf alpine Ökosysteme wie Hochgebirgsgewässer oder Gletscherregionen. Roland Psenner ist seit 1982 verheiratet und hat 2 Söhne.

Von 2010 bis 2012 leitete er den interfakultären Forschungsschwerpunkt „Alpiner Raum – Mensch und Umwelt“. Er engagiert sich seit vielen Jahren in Universitätspolitik und –verwaltung; von 2001 bis 2004 war er Studiendekan der naturwissenschaftlichen Fakultät, von 2008 bis 2012 leitete er als Dekan die Fakultät für Biologie. Seit vielen Jahren wirkt er in zahlreichen in- und ausländischen Forschungsgremien und –beiräten, unter anderem auch dem FWF (2005-2008) mit, und war beispielsweise von 2000 bis 2002 Präsident der Internationalen Kommission für die wissenschaftliche Forschung in den Alpen (ISCAR).

Roland Psenner hat neben anderen Publikationen 140 Arbeiten in referierten Journalen und 30 Buchbeiträge veröffentlicht, ist Mitherausgeber einer Buchreihe zum „Alpinen Raum“ mit bisher 14 Bänden, und arbeitet im Editorial Board von renommierten Fachzeitschriften.

Roland Psenner kennt die Uni Innsbruck ebenso wie die österreichische und die internationale Hochschullandschaft aus verschiedenen Blickwinkeln – als Wissenschaftler, Lehrer und Berater. Seit 1. März 2012 ist er Vizerektor für Lehre und Studierende an der Universität Innsbruck.

Curriculum Vitae: o. Univ.-Prof. Dr. Roland Psenner

Roland Psenner was born in Bozen-Bolzano, Italy, on 23 June 1950. After his PhD in microbiology, limnology and biochemistry at the University of Innsbruck he worked for international programmes focussed on environmental problems of lakes, as public officer for settlement planning in Italy and with the Austrian Academy of Sciences. Since 1997, he is Professor of Limnology at the University of Innsbruck. He is an expert in eutrophication and phosphorus cycling, biogeochemistry of acidification, global change effects on lakes, aquatic microbial food webs, and ice ecosystems. He worked on different aspects of UV radiation effects on aquatic microorganisms, with image analysis techniques and flow cytometry methods. His special interests are alpine ecosystems. He participated in several Framework Programmes of the EU, such as MICOR, AL:PE, MOLAR, REFLECT, EMERGE and CLIME, and has published more than 130 articles in peer-reviewed journals. In addition, he has written more than 30 book chapters, a large number of popular articles, and is editor of a book series on mountain issues – with 14 volumes up to now. He is a member of several editorial boards of international journals in aquatic sciences and ecology. As president of the International Scientific Committee of Alpine Research (ISCAR, Berne, CH) in 2000-2002 and speaker of the Research Focus "Alpine Space – Man & Environment" of the University of Innsbruck he has become interested also in social and cultural problems of the Alps. From 2008 to 2012 he served as Dean of the Faculty of Biology, since March 2012 he is Vice Rector at the University of Innsbruck. He is married to Barbara Golderer and has two sons.

Professional employment

- 1997-present Full Professor of Limnology, University of Innsbruck, Austria
- 1991-1997 Associate Professor, University of Innsbruck
- 1988-1990 Research Scientist, Austrian Academy of Sciences, Inst. of Limnology
- 1987 Settlement Planner, Biological Laboratory of the Province of South Tyrol, Italy
- 1977-1986 Postdoc at the Academy of Sciences, Institute of Zoology

Service to the community

- Vice Rector of the University of Innsbruck, 2012-
- Dean of the Faculty of Biology, 2008-2012
- Head of the Research Focus *Alpine Space – Man & Environment*, 2010-2012
- Dean of studies, Faculty of Sciences, 2001-2004.
- President of the International Commission on Alpine Research 2000-2002.

Professional organizations

- American Society of Limnology and Oceanography
- International Association of Theoretical and Applied Limnology

Research interests

Biogeochemistry, acidification and eutrophication of lakes, microbial ecology, snow and ice ecosystems, palaeolimnology, climate warming effects on alpine ecosystems.

Some representative publications since 2006

- Sonntag, B. T. Posch, S. Klammer, C. Griebler, K. Teubner & R. Psenner. 2006. Phagotrophic ciliates and flagellates in an oligotrophic deep alpine lake: contrasting variability with seasons and depths *AME* 43 (2): 193-207
- Guang, Gao, Qin Boqiang, R. Sommaruga & R. Psenner. 2007. The bacterioplankton of Lake Taihu: abundance, biomass, and production. *Hydrobiologia* 581: 177-188 DOI 10.1007/s10750-006-0511-7
- Thies, H., U. Nickus, V. Mair, R. Tessadri, D. Tait, B. Thaler & R. Psenner. 2007. Unexpected Response of High Alpine Lake Waters to Climate Warming. *Env. Sci. Technol.* 41: 7424 - 7429
- Salcher, M.M., J. Pernthaler, M. Zeder, R. Psenner & T. Posch. 2008. Spatio-temporal niche separation of planctonic Betaproteobacteria in an oligo-mesotrophic lake. *Environmental Microbiology* 10: 2074-2086
- Psenner, R., A. Alfreider & A. Schwarz. 2008. Aquatic Microbial Ecology: Water Desert, Microcosm, Ecosystem. What's Next? *Int. Rev. Hydrobiol.* 93: 606-623
- Alfreider, A., C.Vogt, M. Geiger-Kaiser & R. Psenner. 2009. Distribution and diversity of autotrophic bacteria in groundwater systems based on the analysis of RubisCO genotypes. *Syst. Appl. Microbiol.* 32: 140-150 (2009), doi:10.1016/j.syapm.2008.11.005
- Anesio, A.M. A.J. Hodson, A. Fritz, R. Psenner & B. Sattler. 2009. High microbial activity on glaciers: importance to the global carbon cycle. *Global Change Biol.* 15: 955-960
- Pearce, D.A., P.D. Bridge, K. Hughes, B. Sattler, R. Psenner & N.J. Russell. 2009. Microorganisms in the atmosphere over Antarctica. *FEMS Microbiology Reviews* 69: 143-157
- Georgakopoulos, D.G., V. Després, J. Fröhlich-Nowoisky, R. Psenner, P. A. Ariya, M. Pósfai, H. E. Ahern, B. F. Moffett, and T. C. J. Hill. 2009. Microbiology and atmospheric processes: Biological, physical and chemical characterization of aerosol particles. *Biogeosciences* 6, 721-737
- Camarero, L., I. Botev, G. Muri, R. Psenner, N. Rose & E. Stuchlik. 2009. Trace elements in alpine and arctic lake sediments as a record of diffuse atmospheric contamination across Europe. *Freshwater Biology* 54: 2518-2532 doi:10.1111/j.1365-2427.2009.02303.x
- Anesio, A.M., B. Sattler, C. Foreman, J. Telling, A. Hodson, M. Tranter & R. Psenner. 2010. Carbon fluxes through bacterial communities on glacier surfaces. *Annales of Glaciology* 51(59): 32-40

- Ilyashuk, E.A., K.A. Koinig, O. Heiri, B.P. Ilyashuk & R. Psenner. 2011. Holocene temperature variations at a high-altitude site in the Eastern Alps: a chironomid record from Schwarzsee ob Sölden, Austria. *Quaternary Sci. Rev.* 30: 176-191
- Tolotti, M. H. Thies, U. Nickus & R. Psenner. 2012. Temperature modulated effects of nutrients on phytoplankton changes in a mountain lake, *Hydrobiologia*, published online 26 May 2012 (DOI) 10.1007/s10750-012-1146-5
- Zarsky, JD, M Stibal, A Hodson, B Sattler, M Schostag, LH Hansen, CS Jacobsen & R Psenner. 2013. Large cryoconite aggregates on a Svalbard glacier support a diverse microbial community including ammonia-oxidizing archaea. *Environ. Res. Lett.* 8 (2013) 035044 (11pp) doi:10.1088/1748-9326/8/3/035044
- Sichrowsky, U, R Schabetsberger, H Gassner, R Kaiser, B Boufana & R Psenner 2013. Cradle or plague pit? Illuminated cages increase the transmission risk of parasites from copepods to coregonids. *Aquaculture* 392-395: 8-15
- van Drooge, BL, G Garriga, K. Koinig, R Psenner, P Pechan & JO Grimalt. 2014. Sensitivity of a Remote Alpine System to the Stockholm and LRTAP Regulations in POP Emissions. *Atmosphere* 2014, 5, 1-x manuscripts; doi:10.3390/atmos50x000x