

|  |   |
|--|---|
| <b>Last Name</b><br>Rennenberg, Heinz<br>Born: May 31 <sup>st</sup> 1949 | <b>Position Title</b><br>Full professor<br>Institute for Forest Botany and Tree<br>Physiology |
|--|---|

## EDUCATION/TRAINING

| Institution and Location | Degree        | Year(s) | Field of Study   |
|--------------------------|---------------|---------|------------------|
| University of Cologne    | Staatsexamen  | 1974    | Biology          |
| University of Cologne    | Dr. rer. nat. | 1977    | Botany, Genetics |
| University of Cologne    | Habilitation  | 1984    | Botany           |

## A. Positions and Honors

### Employment/Experience

|              |  |
|--------------|--|
| 1981-1982    | Research Fellow at the DOE Plant Research Laboratory, MSU, East Lansing, USA   |
| 1985-1986    | C2-Professor at the University of Cologne  |
| 1986-1992    | Head of Department, FhG-Institute of Atmospheric Environmental Research, Garmisch-Partenkirchen, Germany                             |
| 1988-1992    | Vice-Director, FhG-Institute of Atmospheric Environmental Research, Garmisch-Partenkirchen, Germany                                  |
| 1989         | Research Fellow at the Biological Centre, University of Groningen, The Netherlands   |
| 1992-present | Full Professor of Tree Physiology at the Institute of Forest Botany and Tree Physiology, Albert-Ludwigs-University Freiburg, Germany |
| 1997-1999    | Dean of the Faculty of Forestry  |
| 2002         | Research Fellow at the School of Forestry, University of Melbourne, Victoria, Australia  |
| 2006-present | Dean of the Faculty of Forest and Environmental Sciences   |

### Honors, Awards and Scholarships

|           |   |
|-----------|---|
| 1980-1981 | DFG-Scholarship   |
| 1990-1992 | Apl. Professor, Technical University Munich, Germany  |
| 2003      | Listed under ISI Highly Cited   |
| 2004      | Member, Deutsche Akademie der Naturforscher Leopoldina / Deutsche Akademie der Wissenschaften                       |
| 2004      | Scientific Member, IMK-Institute of Atmospheric Environmental Research, Federal Research Centre, Karlsruhe, Germany |
| 2006      | Guest Professor, Northwest A&F University, Yangling, China  |
| 2008      | Incoming President of the Federation of European Societies of Plant Biologists (FESPB)                              |

### Other Scientific Activities

|                |   |
|----------------|---|
| 1995 – present | Co-Editor: Trees – Structure and Function |
| 2001 – present | Editorial Board: Tree Physiology          |
| 2001 – present | Advisory Board: The New Phytologist       |
| 2003 – present | Editor-in-Chief: Plant Biology            |
| 2004 – present | Consulting Editor: Plant and Soil         |

## B. Ten selected publications

Kruse, J., Hetzger, I., Mai, C., Polle, A., Rennenberg, H. 2003. Effects of elevated  $p\text{CO}_2$  on N-uptake, -transport, and partitioning in young poplar plants (*Populus tremula* x *P. alba*) grown at deficient and sufficient N-supply. *New Phytol.* 157, 65-81

Fotelli, M. N., Rennenberg, H., Holst, T., Mayer, H., Geßler, A. 2003. Carbon isotope composition of various tissues of beech (*Fagus sylvatica* L.) regeneration is indicative of recent environmental conditions within the forest understorey. *New Phytol.* 159, 229-244

Cojocariu, C., Kreuzwieser, J., Rennenberg, H. 2004. Correlation of short-chained carbonyls emitted from *Picea abies* (L.) with physiological and environmental parameters. *New Phytol.* 162, 717-727

Schnitzler, J.-P., Graus, M., Kreuzwieser, J., Heizmann, U., Rennenberg, H., Wisthaler, A., Hansel, A. 2004. Quantification of different carbon sources of isoprene emitted from poplar leaves. *Plant Physiol.* 135, 152-160, 2004

Fotelli, M. N., Rudolf, P., Rennenberg, H., Geßler, A. 2005. Irradiance and temperature affect the interference of the early successional *Rubus fruticosus* L. with the nitrogen, water and carbon status of European beech seedlings. *New Phytol.* 165, 453-462

Peuke, A. D., Geßler, A., Rennenberg, H. 2006. The effect of drought on C and N stable isotopes in different fractions of leaves, stems, and roots of sensitive and tolerant beech ecotypes. *Plant Cell Environ.* 29, 823-835

Keitel, C., Matzarakis, A., Rennenberg, H., Geßler, A. 2006. Carbon isotope composition and oxygen isotope enrichment in phloem and total leaf organic matter of European beech (*Fagus sylvatica* L.) are controlled by environmental and physiological factors along a climate gradient. *Plant Cell Environ.* 29, 1492-1507

Brandes, E., Wenninger, J., Koeniger, P., Schindler, D., Rennenberg, H., Leibundgut, C., Mayer, H., Geßler, A. 2007. Assessing environmental and physiological controls over water relations in a Scots pine (*Pinus sylvestris* L.) stand through analyses of stable isotope composition of water and organic matter. *Plant Cell Environ.* 30, 113-127

Tausz, M., Herbinger, K., Haberer, K., Rennenberg, H. 2008. Effects of drought and canopy ozone exposure on antioxidants in fine roots of mature European beech (*Fagus sylvatica* L.). *Tree Physiol.* 28, 713-719

Kreuzwieser, J., Hauberg, J., Howell, K.A., Carroll, A., Rennenberg, H., Millar, A.H., Whelan, J. 2009. Differential response of poplar (*P. x canescens*) leaves and roots underpin stress adaptation during hypoxia. *Plant Physiol.*, in press