

Sonderforschungsbereich 176 der Universität Würzburg
*Molekulare Grundlagen der Signalübertragung und des
Stofftransportes in Membranen*

IV. International Symposium

Molecular Basis of Cellular Communication

in
Würzburg

October 11-13, 1995



In 1895, Wilhelm Conrad Röntgen, discovered
the X-rays in Würzburg.

Program

Session II Signalling initiated by cell surface receptors

A. Growth factor-regulated signalling

Chair: *A. Ullrich*

- 09.00-09.30 *M. Baggiolini (Bern, Switzerland)*: Leukocyte recruitment - the role of chemotactic cytokines
- 09.30-10.00 *C.-H. Heldin (Uppsala, Sweden)*: Signal transduction via receptors for PDGF and TGF- β
- 10.00-10.30 *W. Risau (Bad Nauheim, Germany)*: Angiogenesis-regulating endothelial tyrosine kinase receptors
- 10.30-11.00 *Coffee break*
- 11.00-11.30 *P.C. Heinrich (Aachen, Germany)*: Interleukin-6 signal transduction - from the plasma membrane to the cell nucleus
- 11.30-12.00 *E. Grill (Zürich, Switzerland)*: Signal transduction of the plant stress hormone ABA in Arabidopsis
- 12.00-14.00 *Lunch*

B. Cell contact dependent signalling

Chair: *U. Walter*

- 14.00-14.30 *T. O'Toole (La Jolla, USA)*: The role of integrin cytoplasmic domains in inside-out signalling
- 14.30-15.00 *R. Kemler (Freiburg, Germany)*: Structural and functional analysis of the cadherin-catenin complex
- 15.00-15.30 *M. Reinhard (Würzburg)*: Protein-protein interactions of the focal adhesion protein VASP mediated by proline-rich sequences
- 15.30-16.00 *J. Wehland (Braunschweig, Germany)*: *Listeria monocytogenes*: a model system for the analysis of the dynamic actin cytoskeleton
- 16.00-16.30 *Coffee break*

Session III Intracellular signalling

A. G-protein-mediated signalling

Chair: *R. Hedrich*

- 16.30-17.00 *A. Wittinghofer (Dortmund, Germany)*: Structural and mechanistic details of how Ras talks to Raf
- 17.00-17.30 *A. Hall (London, UK)*: The role of rho, rac and cdc42 GTPases in intracellular signalling
- 17.30-18.00 *Sue Goo Rhee (Bethesda, USA)*: Receptor-mediated regulation of phospholipases