



DRESDEN, GERMANY 2024

OCT 20-24

23<sup>rd</sup> HUMAN PROTEOME ORGANIZATION  
WORLD CONGRESS

Press announcement

## 1600 international scientists exchange the latest findings on proteome research at the HUPO2024 World Congress in Dresden

**Dresden.** Around 1600 participants are expected to attend the world's largest congress on proteomics from 20 to 24 October in Dresden. As components of cells and 'players of life', proteins influence all bodily functions. The interdisciplinary field of proteomics is a young and exciting area of research that can reveal the molecular causes of more and more diseases by analysing the function of proteins and their interaction. The diverse scientific programme at the HUPO World Congress ranges from the application of new technologies to the promotion of biological knowledge and global health.

'Leading experts from all over the world will come together at the International Congress Center Dresden on the banks of the Elbe to present their latest findings and discuss new technologies in all areas of proteome research and their application,' emphasises Congress President Prof. Dr Uwe Völker, Head of the Department of Functional Genome Research, University Medicine Greifswald and President of the German Society for Proteome Research (DGPF). He will be supported by Prof Ruth Huttenhain, Department of Molecular and Cellular Physiology, Stanford University, California, and Prof Dr Bernd Wollscheid, Head of the Institute for Translational Medicine and the Biomedical Proteomics Platform D-HEST at ETH Zurich, in chairing the World Congress.

Organised by the Human Proteome Organization (HUPO), the European Proteomics Association (EuPA) and the German Society for Proteome Research (DGPF), the focus of the World Congress is on applications in research, diagnostics and therapy. Research into the molecular causes of diseases is the basis for new therapeutic approaches and active substances, including for the treatment of cancer and infectious diseases. A particular focus is on the inclusion and promotion of young scientists, including the eagerly awaited 'Proteomics Highlight of the Year', where young researchers will present their outstanding scientific work in a special plenary session..

### **Background**

The proteome comprises the totality of all proteins in a cell or a complex organism under defined conditions and at a defined point in time. It is dynamic and can change in its qualitative and quantitative protein composition in response to changing conditions such as environmental factors, temperature, gene expression or drug administration. Biochemical methods are used to research the proteome in order to catalogue all proteins in the organism and to decipher their functions and interactions

### Congress Chair

Prof. Dr. Uwe Völker  
Interfaculty Institute of Genetics and  
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Felix-Hausdorff-Straße 8  
17475 Greifswald, Germany

### Venue

International Congress Center Dresden  
Ostra-Ufer 2  
01067 Dresden, Germany

### Professional Congress Organiser

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in networks. With several hundred thousand different proteins and modified forms in humans, it is a major challenge to fully grasp this complexity. The rapid development of proteome research is made possible by the constant improvement of scientific analysis techniques and the development of quantitative methods. Research into proteins and their interactions is a key to understanding human health, especially the biochemical processes that lead to abnormal developments and diseases such as cancer or Alzheimer's. Proteome analysis provides insights into complex metabolic and regulatory processes. For further information: <https://www.dgpf.org>

**All information** and the conference programme can be found at:  
<https://2024.hupo.org/>

Media representatives are cordially invited to the congress! We look forward to your reports. We will also be happy to put you in touch with contact persons for interviews.

### **Press contact**

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