

MMI 291 Seminar Series

Current Theme: Interdisciplinary Research
Winter Quarter 2025 – CRN 30957

Friday Seminar at 12:10-1 p.m.

Genome and Biomedical Sciences Facility, Room 1005

“Space Odyssey: Metabolism in the small intestine”

Research Bio

Prof. Oliver Fiehn has pioneered developments and applications in metabolomics with over 500 publications to date with a current h-index 127, i10 index 427. He started his career as group leader at the Max-Planck Institute for Molecular Plant Physiology in Potsdam, Germany.

Since 2004 he is faculty member in the College of Biological Sciences (MCB department) and Professor at the UC Davis Genome Center, overseeing his research laboratory and the satellite core service laboratory in metabolomics research. In 2012 he became the Director of the UC Davis West Coast Metabolomics Center, supervising 30 staff operating 16 mass spectrometers. To focus on large cohort studies and translational metabolomics, he has added the ThermoFisher *Center of Excellence in Clinical Metabolomics* at the UC Davis clinical campus in Sacramento, CA since 2021.

In public outreach, the West Coast Metabolomics Center holds monthly public webinars, has a YouTube channel, a newsletter, invites international scholars to research visits and organizes three metabolomics professional courses per year

Publications

Folz J, Culver RN, Morales JM, Grembi J, Triadafilopoulos G, Relman DA, Huang KC, Shalon D, **Fiehn O**. “Human metabolome variation along the upper intestinal tract”. *Nat Metab*. 2023 May;5(5):777-788. doi: 10.1038/s42255-023-00777-z. Epub 2023 May 10. PMID: 37165176; PMCID: PMC10229427.

Shalon D, Culver RN, Grembi JA, Folz J, Treit PV, Shi H, Rosenberger FA, Dethlefsen L, Meng X, Yaffe E, Aranda-Díaz A, Geyer PE, Mueller-Reif JB, Spencer S, Patterson AD, Triadafilopoulos G, Holmes SP, Mann M, **Fiehn O**, Relman DA, Huang KC. “Profiling the human intestinal environment under physiological conditions”. *Nature*. 2023 May;617(7961):581-591. doi: 10.1038/s41586-023-05989-7. Epub 2023 May 10. PMID: 37165188; PMCID: PMC10191855.

Feb.
28



Oliver Fiehn, Ph.D.
Director
UC Davis West Coast
Metabolomics Center
University of California, Davis

**February 28, 2025
12:10 – 1 p.m.**

**Genome and
Biomedical Sciences
Facility, Room 1005**

In-person presentation

**Medical Microbiology and
Immunology
School of Medicine**

Seminar Contact:
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We hope to see you there!