Oliver Fiehn , PhD
UC Davis Genome Center

Positions and Employment

1994-1997 Research scientist, Technical University of Berlin, Germany
1998-1999 Postdoctoral research scientist, Max-Planck Inst. Molecular Plant Physiology, Potsdam, Germany
1999 Visiting postdoctoral research scientist, Dept. Molecular Biol., University of Wash., Seattle, WA
1999-2004 Research group leader, Max-Planck Inst. Molecular Plant Physiol., Potsdam, Germany
2004-2009 Assoc. Professor, Dept. of Molecular & Cellular Biology, UC Davis Genome Center, CA
2009- Full Professor, Dept. of Molecular & Cellular Biology, UC Davis Genome Center, CA

Other Experience, Honors and Professional Memberships

2009 Distinguished Scientist Award, CCDG, Chicago
2006 ASUCD Excellence in Education Award
2006-present Editorial Board 'Journal of Biological Chemistry'
2004-2010 Board of Directors, Metabolomics Society
2008-2010 Treasurer, Metabolomics Society
2004-present Editorial board member 'Metabolomics' and 'Plant Methods'
2002-present Board member Platform Plant Metabolomics

Selected Peer-reviewed Publications

1. Fiehn O, Garvey T, Newman JW, Lok KH, Hoppel CL, Adams S (2010) Plasma metabolomic profiles reflective of glucose homeostasis in non-diabetic and type 2 diabetic obese African-American women. PLoS ONE 5, e15234
2. Wohlgemuth G, Haldiya P, Willighagen E, Kind T, Fiehn O (2010) The Chemical Translation Service (CTS) – a web-based tool to improve standardization of metabolomic reports. Bioinformatics 26, 2647-2648
3. Ji Z, Hebbring S, Zhu H, Jenkins GC, Biernacka J, Snyder K, Drews M, Fiehn O, Zeng Z, Schaid D, Mrazek DA, Kaddurah-Daouk R, Weinshilboum RM (2010) Glycine and a glycine dehydrogenase SNP as Citalopram/Escitalopram response biomarkers in depression: Pharmacometabolomics-informed pharmacogenomics. Clin. Pharm. Therap. 89, 97-104
4. Taylor SL, Ganti S, Bukanov NO, Chapman AB, Fiehn O, Osier MV, Kim K, Weiss RH (2010) A metabolomics approach using juvenile cystic mice to identify urinary biomarkers and altered pathways in polycystic kidney disease. Am J Physiol Renal Physiol. 298, F909-F922
5. Kind T, Wohlgemuth G, Lee DY, Lu L, Palazoglu M, Shahbaz S, Fiehn O (2009) FiehnLib: mass spectral and retention index libraries for metabolomics based on quadrupole and time-of-flight gas chromatography/mass spectrometry. Anal. Chem. 81, 10038-48 PMID: 19928838
6. Hartman A, Lough DM, Barupal DK, Fiehn O, Fishbein T, Zasloff M, Eisen J (2009) Human gut microbiome adopts an alternative state following small bowel transplantation. Proc. Natl. Acad. Sci. USA 106, 17187-17192 PMID: 19805153
7. Denkert C, Budczies J, Weichert W, Wohlgemuth G, Scholz M, Kind T, Niesporek S, Noske A, Buckendahl A, Dietel M, Fiehn O (2008) Metabolic profiling of human colon carcinoma - Deregulation of TCA and amino acid turnover. Mol. Cancer 7: 72 PMID: 18799019
8. Kind T, Fiehn O (2007) Seven golden rules for heuristic filtering of molecular formulas obtained by accurate mass spectrometry. BMC Bioinformatics 8: 115 PMID: 17389044
9. Scholz M, Fiehn O (2007) SetupX - A Public Study Design Database for Metabolomic Projects. Pacific Symp. Biocomp. 12, 169-180 PMID: 17990490
10. Kind T, Tolstikov VV, Fiehn O, Weiss RH (2007) A comprehensive urinary metabolomics approach for identifying kidney cancer. Anal. Biochem. 363, 185-195 PMID: 17316536
11. Denkert C, Budczies J, Kind T, Weichert W, Tablack P, Sehouli J, Niesporek S, Koensgen D, Dietel M, Fiehn O (2006) GC-TOF based metabolic profiling reveals different metabolite patterns in invasive ovarian carcinomas and ovarian borderline tumors. Cancer Res. 66, 10795-10804 PMID: 17108116
12. Perroud B, Lee J, Valkova N, Dhirapong A, Lin P-Y, Fiehn O, Kueltz D, Weiss RH (2006) Pathway analysis of kidney cancer using proteomics and metabolic profiling. BMC Mol. Cancer 5:64 PMID: 17123452