

Molecular Omics

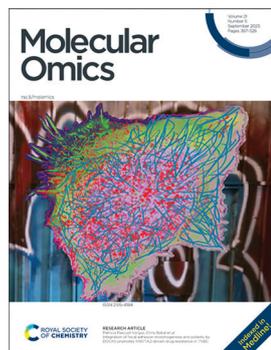
Research and reviews in omic sciences, including genomics, proteomics, transcriptomics, metabolomics, glycomics and lipidomics

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IN THIS ISSUE

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Cover

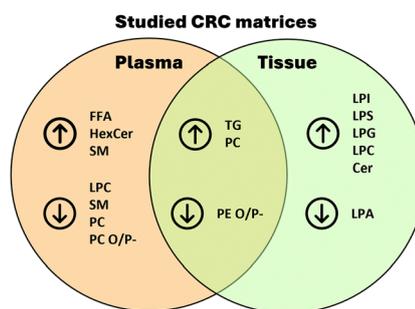
See Patricia Pascual-Vargas, Chris Bakal *et al.*, pp. 390-421. Image reproduced by permission of Chris Bakal from *Mol. Omics*, 2025, 21, 390.

REVIEW

373

Advancing colorectal cancer research through lipidomics

Pedro Santiago, Tânia Melo, Maria Barceló-Nicolau, Gwendolyn Barceló-Coblijn, Pedro Domingues and Rosário Domingues*

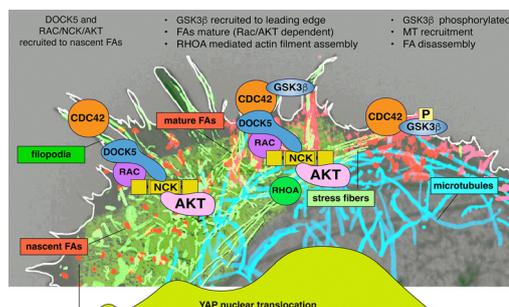


RESEARCH ARTICLES

390

Integration of focal adhesion morphogenesis and polarity by DOCK5 promotes YAP/TAZ-driven drug resistance in TNBC

Patricia Pascual-Vargas,* Mar Arias-Garcia, Theodoros I. Roumeliotis, Jyoti S. Choudhary and Chris Bakal*



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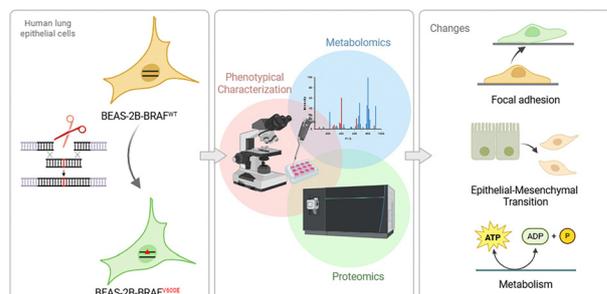
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422

Proteomic and metabolomic dissection of the *BRAF* V600E mutation-induced cellular state transition in lung epithelial cells

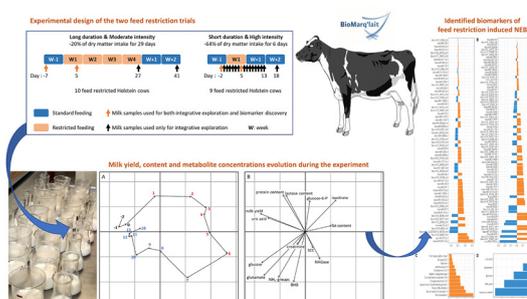
Fengting Liu, Fan Yang, Hailin Xiong, Jingnan Huang, Zhenhui Huang, Jingying Song, Xinyi Liu, Hongchao Zhou, Jing Xu, Jimin Yuan,* Lin Jia* and Lingyun Dai*



433

Integrated multi-omic analyses of bovine milk identify biomarkers of negative energy balance

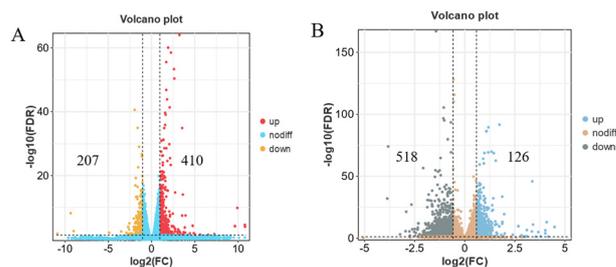
A. Leduc, A. Rau, D. Laloë, S. Le Guillou, P. Martin, M. Gelé, J. Pires, Y. Faulconnier, C. Leroux, M. Boutinaud and F. Le Provost*



446

Transcriptome and proteome analyses reveal the virulence of the *Vibrio alginolyticus* effector gene *vopR*

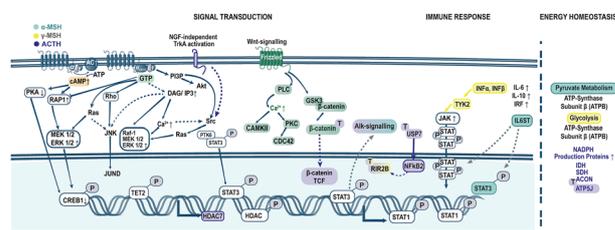
Fan Da, Shuanghu Cai, Liangliang Xu, Shixi Chen, Bin Li and Min Tao*



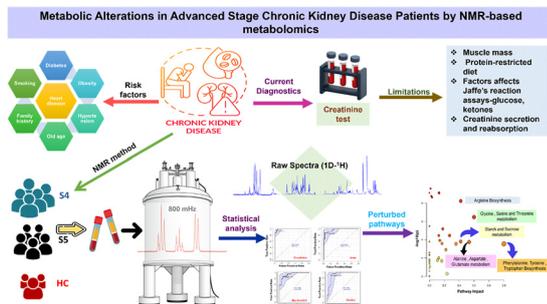
456

POMC-specific modulation of metabolic and immune pathways via melanocortin-3 receptor signaling

Mariya Nezhyva, Friederike A. Sandbaumhüter, Per E. Andrén and Erik T. Jansson*



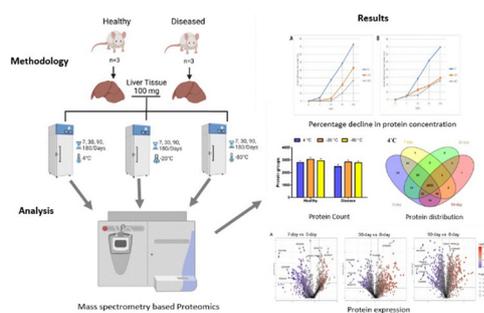
464



Understanding metabolic alterations in advanced stage chronic kidney disease patients by NMR-based metabolomics

Amrita Sahu, Upasna Gupta, Bikash Baishya,*
Dharmendra Singh Bhadauria* and Neeraj Sinha

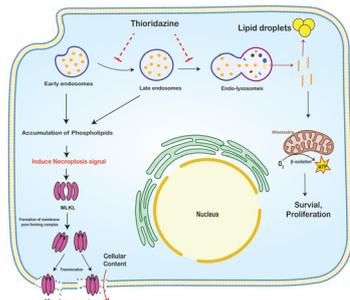
479



Temperature- and time-dependent degradation of mouse tissue proteins: insights into RNA-binding protein stability via mass spectrometry

Aiswarya Suresh, Nikhil Pallaprolu, Aishwarya Dande,
Harish Kumar Pogula, Vipin Kumar Parihar and
Ramalingam Peraman*

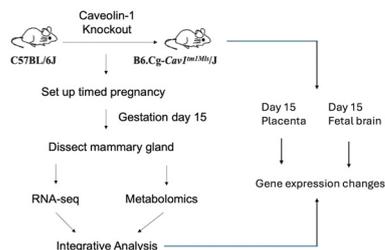
496



Thioridazine induces phospholipid accumulation and necroptosis in parental and tamoxifen-resistant breast cancer cells

Chandrasekaran Mythri, Sachin B Jorvekar,
Nirawane Suraj, Nethaji Pruthiviraj,
Roshan M Borkar and Sudhagar Selvaraju*

512



1. Loss of *Cav1* leads to an altered metabolism of mammary gland
2. Coordinated crosstalk of genes among mammary gland, placenta and fetal brain of *Cav1*-null mice

Mammary gland metabolism and its relevance to the fetoplacental expression of cytokine signaling in caveolin-1 null mice

Shankar P. Poudel, Maliha Islam, Thomas B. McFadden
and Susanta K. Behura*

