

February 23, 2023 – Proteomics Core

Simone Sidoli, Ph.D. Scientific Director

Success Story 1

Louis M. Weiss, M.D., M.P.H. Professor

Dept. of Pathology and Medicine (Infectious Diseases)

“Characterization of the T. gondi cyst wall interactome”

Success Story 2

“Kartik Chandran, Ph.D., Professor”

Department of Microbiology & Immunology

“Mapping emerging RNA virus-host interactions by mass spectrometry”

January 26, 2023 – Immune Monitoring Core

Yvonne Saenger, M.D. Scientific Director

Lawrence Leung, Ph.D., Operations Director

Success Story 1

Nora Prior, Ph.D., Senior Research Associate

Department of Psychology, Cornell University

“Social relationships and their impact on neuroendocrine state in zebra finches”

Success Story 2

“Kosaku Shinoda, Ph.D., Assistant Professor”

Department of Medicine (Endocrinology) & Molecular Pharmacology

“Cost-effective monitoring of radiation-induced immune signaling by NanoString nCounter”

June 23, 2022-Zebrafish Core

Teresa V. Bowman, Ph.D., Scientific Director

Clinton DePaolo, M.S., Zebra Fish Technician

Success Story

Alissa Baker, M.D., Assistant Professor,

Department of Pediatrics (Pediatric Hematology-Oncology) & Department of Developmental & Molecular Biology

“Dissecting Ewing Sarcoma in Zebrafish”

March 24, 2022- Health Span Core

Derek M. Huffman, Ph.D., Core Director

Success Story 1

Leonard Augenlicht, Ph.D.

Departments of Medicine and Cell Biology

“Impact of rapamycin and metformin on age-related alteration of intestinal homeostasis”

Success Story 2

Meredith Hawkins, M.D.

Department of Medicine

“Central glucose sensing in regulation of peripheral metabolism”

Feb 24, 2022-Immuno-technology Core

Teresa DiLorenzo, PhD, Co-Core Director

Dirk Homann, MD, Co-Core Director

Success Story 1

Teresa DiLorenzo, PhD

Microbiology & Immunology

"Immune Modulation in Type 1 Diabetes Using synTacs"

Success Story 2

Dirk Homann, MD

Icahn School of Medicine at Mount Sinai

"Mass Cytometry for the Characterization of Islet Cell Responses to Mitogens"

Jan 27, 2022-Epigenomics Shared Facility (ESF)

Shahina Maqbool, Ph.D., Director

John Greally, M.B., Ph.D., Faculty Advisor

Success Story 1

Amit K Verma, M.B.B.S., Professor

Department of Medicine (Oncology)

"RNAseq for splicing analysis in cancer"

Success Story 2

Ulrich G. Steidl, M.D., Ph.D., Professor

Department of Cell Biology"

"Understanding transcription factor dynamics in hematopoietic malignancies using Cut&TAG"

March 25, 2021-Gene Modification Gene Targeting and Transgenic Core

Winfried Edelmann, Ph.D., Scientific Director.

Success Story 1

Arthur Skoutchi, Ph.D.

Professor and Chair Department of Cell Biology

"H1 Linker Histones Control the Epigenetic Landscape by Local Chromatin Compaction"

Success Story 2

John Chan, M.D.

Professor, Department of Microbiology & Immunology

"Immunoregulation by indoleamine 2,3-dioxygenases during Mycobacterium tuberculosis infection"

Jan 28, 2021-Animal Behavior Core

Maria E. Gulinello, Ph.D., Scientific Director.

Success Story 1

Richard Stanley, Ph.D.

Professor of Developmental & Molecular Biology

"CSF-1 receptor-related leukodystrophy: establishing a mouse model and elucidating underlying disease mechanisms"

Success Story 2

Ian Willis, Ph.D.

Professor of Biochemistry and Systems & Computational Biology

“Neurobehavioral deficits in a mouse model of Pol III-related leukodystrophy”

Feb 27, 2020- Analytical Imaging Core

John Condeelis, Ph.D., Scientific Director

Frank Macaluso, M.Sc., Administrative Director & Director of Electron Microscopy

Vera DesMarais, Ph.D., Director of Light Microscopy

Success Story 1

David Spray, Ph.D.

Professor, Neuroscience and Medicine (Cardiology)

“Dynamics of the gap junction Nexus”.

Success Story 2

David Hall, Ph.D.

Professor, Neuroscience

“Uncovering Exopher Production in a Nematode Neuron”

Jan 30, 2020-The Genomics Core

Bernice Morrow, Ph.D., Scientific Director.

David Reynolds, Operations Director.

Success Story 1

Leonard Augenlicht, Ph.D.

Professor, Medicine and Cell Biology.

Single Cell RNAseq Dissection of Intestinal Homeostasis.

Success Story 2

Cristina Montagna, Ph.D.

Associate Professor of Genetics and Pathology

Single cell Copy Number Variation of Senescent cells

Oct 31, 2019- Histology and Comparative Pathology Core

Amanda Beck, D.V.M. Scientific Director.

Success Story 1

Sridhar Mani, M.D.

Professor, Depts. of Medicine (oncology), Molecular Pharmacology and Genetics

“Histology reveals the function of novel microbial metabolite mimics in colitis”

Success Story 2

Claudia Gravekamp, Ph.D.

Associate Professor, Department of Microbiology & Immunology

“Lymph node-like structures friend or foe in pancreatic cancer”

Oct 3, 2019-Structural NMR Resource

David Cowburn, Ph.D. Scientific Director.

Success Story 1

David Shechter, Ph.D.

Associate Professor, Department of Biochemistry

“Charge and Intrinsic Disorder, or: How I stopped worrying and learned to love NMR”

Success Story 2

Evripidis Gavathiotis, Ph.D.

Professor, Depts. of Biochemistry and Medicine

“Probing and drugging dynamic protein complexes by NMR”

June 6, 2019- Macromolecular Therapeutics Development Core

Steven C. Almo, PhD, Core Director.

Success Story 1

Betsy Herold, MD

Professor, Pediatrics, Microbiology & Immunology, OBGYN.

“Novel Therapeutics for Herpes Simplex Virus”

Success Story 2

Jacqueline Achkar, MD, MSc, FIDSA

Associate Professor, Medicine (Division of Infectious Diseases), Microbiology & Immunology

“Finding a Badge for TB”

March 28, 2019-Gruss Magnetic Resonance Research Center (MRRC)

Craig A. Branch, M.S., Ph.D., Director.

Success Story 1

Jeannette R. Mahoney, Ph.D.

Assistant Professor, Division of Cognitive and Motor Aging.

“Multisensory Processing in Aging: What’s the sense in detecting neural underpinnings?”

Success Story 2

Chandan Guha, M.B.B.S., Ph.D.

Professor, Depts. of Radiation Oncology, Pathology & Urology

“Imaging Radiation-induced Liver Injury and Tracking Cellular Therapy for Radiomitigation”

Jan 31, 2019-Flow Cytometry Core Facility

Steven Porcelli, M.D. Scientific Director.

Jinghang Zhang, M.D. Operations Director.

Success Story 1

Kira Gritsman, M.D., Ph.D.

Assistant Professor, Depts. of Medicine & Cell Biology.

“Using flow cytometry to uncover the roles of PI3 kinase in hematopoietic stem cells”

Success Story 2

XingXing Zang, M. Med., Ph.D.

Professor, Depts. of Microbiology & Immunology, Medicine & Urology

“Flow cytometry of immune checkpoints”