

Opportunities and Challenges of Translational Research at the University of Florida College of Medicine

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“Recruiting, retaining, and empowering scientists from many disciplines to work together, supported by a stable trajectory for biomedical research support, are critical to realize the unprecedented opportunities that lie in front of us. It is time to be bold.”

-Francis Collins, M.D., Ph.D., NIH Director.
Research Agenda. Opportunities for research and NIH.
Science. 2010 Jan 1;327(5961):36-7



CTRB



Lake Nona, Orlando

Research portfolio of UF CoM
is R01 heavy



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Goal is to facilitate
multidisciplinary/translation
al team science



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Gene Therapy

Diabetes

Aging

Muscular Dystrophy

Stem cell

HIV

Retinal degenerations

Cancer Center

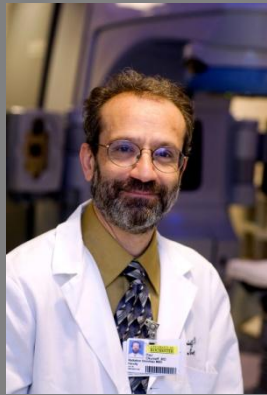
Epigenetics

Small Molecule Drug Discovery

Biomarkers

New therapeutics

Oligometastasis



Paul Okunieff, M.D.
Chairman Radiation Oncology
Cancer Center Director

Emerging Pathogens Institute

Human/Plant/Animal

Food-borne diseases

Influenza

Bacterial resistance



J. Glenn Morris M.D Ph.D

Professor of Medicine

Director EPI

Evelyn F. & William L. McKnight Brain Institute

Age-related cognitive decline

Stroke

Traumatic Brain Injury

Neural Stem Cells in Repair and Cancer



Tetsuo Ashizawa, M.D.

Chairman Neurology

Director McKnight Brain Institute

Institute on Aging

Exercise and aging

Muscle Biology

Mitochondria and aging



Marco Pahor, M.D.

Chair, Department of Aging and

Geriatric Research

Director IOA

Center for Translational Research in Neurodegenerative Disease

Alzheimer's
Parkinson's
Neural-Inflammation
Biomarker discovery



Todd Golde, M.D. Ph.D.
Professor Neuroscience
Director CTRND

Center for Gene Discovery and Neurological Disease

Trinucleotide repeat diseases
Myotonic dystrophies
Ataxias

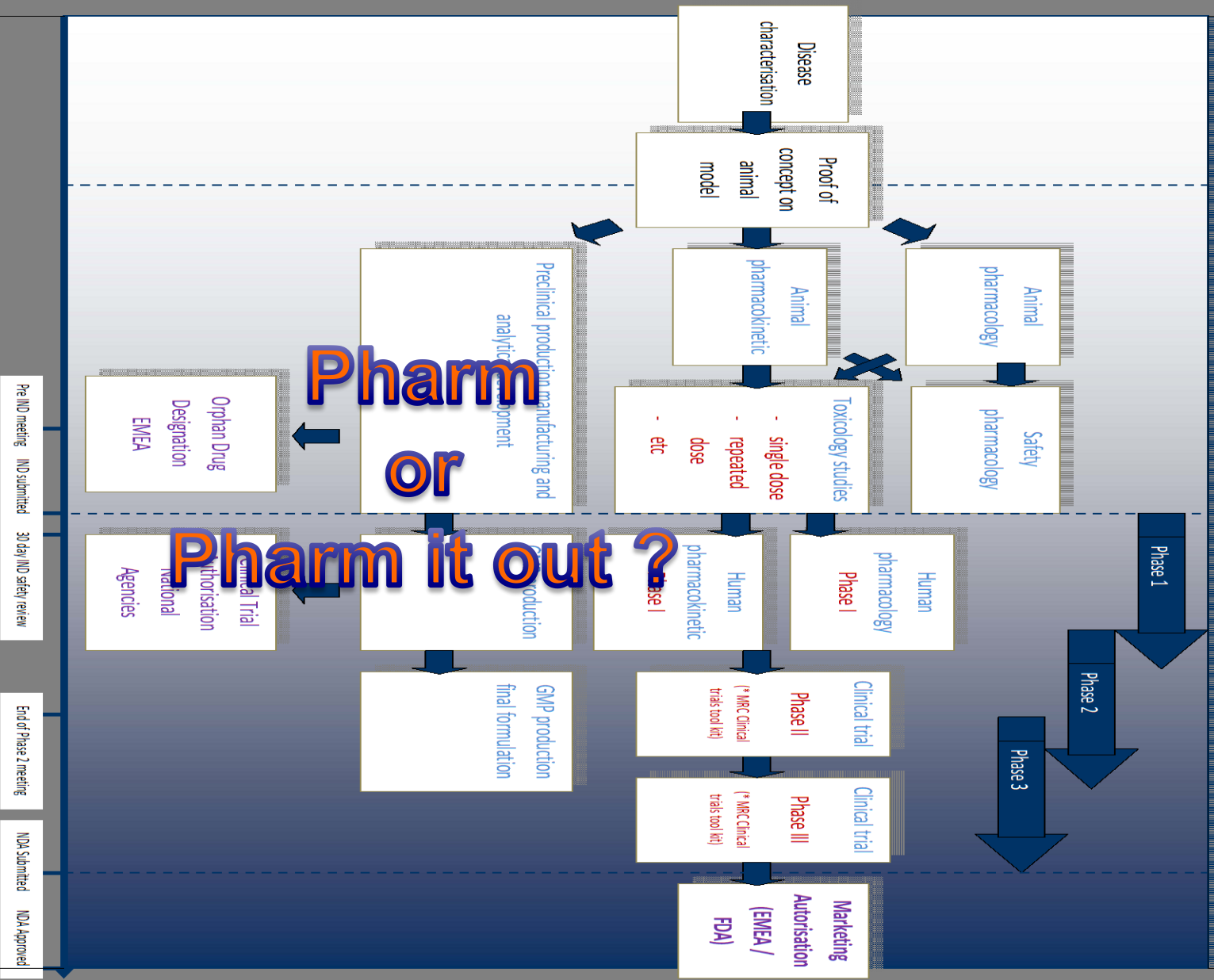


Laura Ranum, Ph.D.
Director
Professor of Molecular
Genetics and Microbiology

Strategic deployment of resources and establishment of requisite infrastructure

- **Pilot funding for Clinical/Translational research**
- **Training**
- **Facilities and cores**
 - **Bio-banking**
 - **Data-banking**
 - **Bio-informatics**
 - **Metabolomics**
 - **Human Imaging**

DRUG DEVELOPMENT PATHWAY



Exploratory Research

Preclinical Development

Clinical Development

NDA review