

Towards Career Success in Science – “Scientific Survival Skills”

Wednesday 3-5 p.m. HSRF 300 CRN: 92246 (2 credits)

Course Director: Charles Irvin, PhD

Texts:

1. Howard Hughes Medical Institute, Making the Right Moves - A Practical Guide to Scientific Management for Postdocs and New Faculty
2. At the Helm: A Laboratory Navigator (*recommended*)

There is a perceived need for addressing the practical issues facing the beginning scientist. At a recent meeting of the National Research Council of the National Institutes of Health the Nobel laureate, Thomas Crech pointed out that many postdocs (and probably true for graduate students and junior faculty as well) are not mentored, nor provided the skills to gain true independence. Advisors are either unwilling or unable to provide the needed career guidance that most need to be successful in today's academia. This survey course will give the student the basic information and resources to improve their chances of success in establishing their laboratory and independent career as a productive scientist.

Date	Title	Faculty	
9/3	1) Overview 2) Individual Development Plan (IDP)	Charlie Irvin, PhD	<i>Professor, Medicine</i>
9/10	1) Being Mentored 2) Being a Good Mentor	Charlie Irvin, PhD	<i>Professor, Medicine</i>
9/17	1) Teaching Skills 2) Writing Exam Questions	Cynthia Forehand, PhD	<i>Professor, Anatomy & Neurobiology</i>
9/24	1) From Pre-doc to Post-doc 2) and Beyond	Jeff Spees, PhD	<i>Assistant Professor, Medicine</i>
10/1	1) Obtaining and Negotiating a Job 2) Developing a Killer CV	Christopher Huston, MD	<i>Assistant Professor, Medicine</i>
10/8	1) Getting Published 2) Peer Review and Being Reviewed	Jason Bates, PhD	<i>Professor, Medicine</i>
10/15	1) Time & Project Management 2) Finding Your Passion	Ralph Budd, MD Cedric Wesley, PhD	<i>Professor, Medicine -</i> <i>Assistant Professor, Microbiology & Molecular Genetics</i>
10/22	1) Staffing Your Laboratory 2) Scientific Misconduct	Mariana Matrajt, PhD Charlie Irvin, PhD	<i>Assistant Professor, Microbiology & Molecular Genetics</i> <i>Professor, Medicine -</i>
10/29	1) Regulations (IRB, IACUC) 2) Leadership Skills	Jason Bates, PhD David Kaminsky, MD Yvonne Janssen-Heininger, PhD	<i>Professor, Medicine</i> <i>Associate Professor, Medicine</i> <i>Associate Professor, Pathology</i>
11/5	1) Partnerships & Collaborations 2) What you need to know about Promotion.	David Warshaw, PhD Bob Low, PhD	<i>Chairman, Molecular Physiology & Biophysics</i> <i>Professor, Molecular Physiology & Biophysics</i>

11/12	1) Women in Science Challenges 2) Working in Industry	Yvonne Janssen-Heininger, PhD TBA	<i>Associate Professor, Pathology</i>
11/19	1) Scientific Writing 2) Scientific Writing	Christopher Berger, PhD	<i>Associate Professor, Molecular Physiology & Biophysics</i>
11/26	Thanksgiving Recess	NO CLASS	
12/3	1) Intellectual Property 2) Tech Transfer	Todd Keiller Kerry Swift	<i>Director, Technology Transfer</i> <i>Technology Licensing Officer, Office of Technology Transfer</i>
12/10	1) Presentation Skills- Slides 2) Presentation Skills- Posters	Charlie Irvin, PhD	<i>Professor, Medicine</i>