



From the Editor's Desk

Welcome to the latest edition of the Fellow and Young Investigators Newsletter. In this issue we present a profile of the CCR Fellow and Young Investigators Steering committee and encourage anybody interested to come along to the next meeting and consider joining. We also preview the upcoming CCR-FYI Colloquium, which will take place March 17-19 in Hershey PA, as well as presenting the highlights of the survey carried out at last year's colloquium. Continuing our focus on career opportunities, we examine a range of alternative careers that fellows wishing to move away from the bench may wish to consider. We also extend congratulations to the winners of this year's NCI Director's Innovation Award Recipients.

Editors:
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IF YOU HAVE ANY COMMENTS, SUGGESTIONS OR WOULD LIKE TO CONTRIBUTE TO FUTURE NEWSLETTERS PLEASE EMAIL US AT nciccrfyi@mail.nih.gov, or chantim@mail.nih.gov

CCR-FYI News

The CCR-FYI Steering Committee – We Need You!

The Center for Cancer Research within NCI currently has over 1000 young investigators on the Bethesda and Frederick campuses. Over ten years ago, an association was formed, called the CCR-FYI (Center for Cancer Research Fellows and Young Investigators), to represent the interests of these young investigators, which include postdoctoral fellows, clinical fellows, post baccalaureates, and graduate students. Primarily, the steering committee of this association works to foster the professional advancement of clinicians and scientists at the CCR. Moreover, we aim to enhance the intramural training program, cultivate communication among Fellows and the CCR community, and serve as a liaison to the administrative programs that coordinate our training experience.

To accomplish these goals, the CCR-FYI undertakes numerous initiatives that are coordinated through several sub-committees. One of the biggest sub-committees is community life. It has several tasks, including putting out a newsletter on a quarterly basis, maintenance of our website (<http://ccr.nci.nih.gov/careers/fellows/Default.aspx>) and the organization of social activities throughout the year in both Bethesda and Frederick. Importantly, the steering committee also has members serving as representatives on both FELCOM and the National Postdoctoral Association (NPA), who serve as liaisons between these committees and provide monthly updates of their activities. Currently, these members are Orla Casey and Raed Samara, respectively. One of the other activities carried out by the community life sub-committee is our participation in the orientation of new Fellows to CCR. These orientations are held bi-weekly in Bethesda and monthly in Frederick, and are led by Mary Velthuis from the Office of Training and Education in CCR.

The scientific sub-committee has two main tasks. The first of these is running a post-doctoral seminar series on the Bethesda (PASS) and Frederick campuses. We have structured these opportunities to give Fellows the opportunity to practice their presentation skills with the expert speaking coach, Scott Morgan. This is then followed by an opportunity to practice their preferred talk in front of their peers. For anyone interested in these opportunities, please contact Brid Ryan (Bethesda; ryanb@mail.nih.gov) or Jim Gould (Frederick; gouldj@mail.nih.gov). Additionally, this section of the steering committee is responsible for updating and distributing a scientific survey at annual CCR-FYI retreat. We also collate these results and report them to the Intramural Advisory Board, Principle Investigators, and Fellows (the most recent results are available on the CCR-FYI web site (<http://ccr.nci.nih.gov/careers/fellows/Default.aspx>)). This is an opportunity for CCR Fellows to communicate their experiences within CCR to the larger community and to identify any specific resources or opportunities they feel they need.

The CCR-FYI steering committee also organizes an annual Colloquium. This is a three day event that is now in its tenth year. The group of Fellows responsible for putting together the annual CCR-FYI colloquium assembles an event that includes several keynote speakers, a career fair and career-orientated workshops. The retreat is being held this year in Hershey, Pennsylvania from March 17th to 19th. This is an excellent opportunity for Fellows to network with each other and to present their research. This event continues to be generously supported by the CCR/OD.

In addition to these activities, the steering committee also works to establish an alumni of
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"Being a part of the SC has provided me unique opportunities to improve networking skills and enhance/ acquire professional skills, ones that you do not necessarily gain from just being in the lab. Some of these skills are how to hold effective meetings, planning a colloquium, moderating speakers during sessions, just to name a few. These skills are transferable to the next steps in our career. You also get to strengthen your communication, time management and organizational skills. Furthermore, you can build and foster your networking connections."

- Tim Chan, 2008-2009 FYI SC Chair

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“I’m a graduate student at NCI-Frederick and the FYI-SC has been a great opportunity to meet other young researchers and become involved in activities that support post-docs and graduate students. I’ve gained a lot of valuable connections through the FYI-SC and have made some new friends.”

- Katie Stagliano, SC member

past CCR Fellows. In addition, we strive to act as a liaison between CCR Fellows and the CCR Offices of the Director and Training and Education. The CCR/OD provides administrative support to the steering committee, the Chair of the committee, Jim Gould, sits in on the monthly Intramural Advisory Board Meeting (as a non-voting member). Moreover, Jonathan Wiest, the Director for Training and Education in CCR also acts in an advisory capacity to the committee, frequently tendering his words of wisdom. As a steering committee, we meet on the last Thursday of each month at 11 am and video conference between

FYI In the News

Spotlight on the 10th Annual Center for Cancer Research Fellows and Young Investigators Colloquium (NCI-Frederick Homepage)

By Kimberly Shafer-Weaver

http://web.ncifcrf.gov/news/spotlight/sl_jan10.asp

News & Views (SAIC-Frederick, Inc.; Volume 16, January 2010, p16)

Fellows and Young Investigators Colloquium Set for March 17

By Kim Shafer-Weaver http://web.ncifcrf.gov/campus/publications/online_newsletter/current/current.pdf

The Poster (NCI-Frederick; December 2009, p10)

Postdocs Team Up to Celebrate

By James Gould

http://web.ncifcrf.gov/ThePoster/archive/Dec09_POSTER.pdf

Bethesda and Frederick. Of note, all Fellows within CCR are invited to attend and speak at all meetings. Moreover, we consistently welcome new Fellows to serve on the steering committee at any time. If you are interested in knowing more about the committee, or would like to join, please contact James Gould (gouldj@mail.nih.gov) on the Frederick campus, or Bríd Ryan (ryanb@mail.nih.gov), on the Bethesda campus. Being an active member of the CCR-FYI committee affords Fellows many opportunities to develop the skills needed to advance in a scientific career, including leadership and communication. Moreover, it is a wonderful opportunity to network with other Fellows on both a professional and personal level.

We look forward to seeing you soon.

Submitted by:

Brid Ryan, PhD, MPH

FYI SC Vice-Chair— Bethesda,
Laboratory of Human Carcinogenesis

The POSTDOCKET (Volume 7 Issue 4, Fall 2009, p2)

Postdoc Appreciation Day 2009 Celebrated Across the U.S.

By Zoe Fonseca-Kelly

<http://www.nationalpostdoc.org/component/content/article/27-front-page-news/336-fall-2009-postdocket>

ASBMB Today (May 2009)

Power to the Postdocs

By Nick Zagorski

<http://www.asbmb.org/asbmbtoday/asbmbtoday.aspx?id=4740&terms=may+2009>

CCR-FYI ON THE WEB

Fellows and Young Investigators Association Homepage <http://ccr.nci.nih.gov/careers/fellows/Default.aspx>

CCR-FYI LinkedIn Group

<http://www.linkedin.com/groups?home=&gid=2495548>

Submitted by:
James Gould, PhD
FYI SC Chair

Articles

Something for Everyone: The 10th annual National Cancer Institute Center for Cancer Research Fellows and Young Investigators (CCR-FYI) Colloquium

The 10th annual CCR-FYI Colloquium will be held March 17–19, 2010 at the Hershey Lodge in Hershey, PA (<http://web.ncifcrf.gov/events/ccrfellows>). This unique meeting, organized by the colloquium subcommittee of CCR-FYI, is structured to provide support and advocacy for NCI's fellows and young investigators in all aspects of their training and career development. The CCR-FYI Colloquium is supported by the Office of Training and Education under director Jonathan Wiest, PhD and funded by the NCI CCR Office of the Director, under Robert Wiltrot, PhD. "I think one of the things I liked most about the retreat is the friendly environment. I don't have the same warm feeling at any other meetings," said Liang Huang, PhD, Laboratory of Molecular Pharmacology, CCR, NCI, and a member of the 2010 Colloquium Subcommittee.

Even if you attended last year's colloquium, you do not want to miss this year's event. The program and focus of the colloquium changes each year to highlight novel research at CCR, explore new scientific dimensions, and build on the success and suggestions of previous years. "This meeting has [much] to offer those that attend, so we encourage our fellow young scientists to participate in the meeting," said James Gould, PhD, Laboratory of Comparative Carcinogenesis, NCI-Frederick, and CCR-FYI Steering Committee Chair. "Additionally, the colloquium is an excellent medium to meet new people, network, and hear about your peers' research," said Stephanie Watkins, PhD, Cancer and Inflammation Program (CIP), CCR, NCI-Frederick, and chair of the 2010 Colloquium Subcommittee. One focus of this year's colloquium is bringing

clinical and basic researchers together to facilitate collaborations.

What to Expect at This Year's Colloquium

This year, the four outstanding keynote speakers:

- **Elizabeth Jaffee**, M.D., Johns Hopkins University School of Medicine; "Genes, Vaccines, and Immune Checkpoints: An All Out Attack on Pancreatic Cancer"
- **Jill Suttles**, PhD, University of Louisville School of Medicine; "Fatty acid-binding proteins: A link between inflammatory and metabolic pathways"
- **George Pavlakis**, PhD, CCR, NCI-Frederick; "AIDS research: now as relevant as ever"
- **Glenn Merlino**, PhD, CCR, NCI "Mice, Melanoma and Preclinical Modeling"

The presenters plan to speak not only about their cutting-edge science but also will provide insight into their diverse career paths. The recipient of the 2010 Outstanding Postdoctoral Award will also be announced and present a plenary lecture on their award winning research. The Director's Opening and Closing addresses will be given by Dr. Jeffrey Strathern, PhD, Deputy Director,

Center for Cancer Research, NCI and Dr. Robert Wiltrot, PhD, Director, Center for Cancer Research, NCI, respectively. In addition to the keynote speakers, the colloquium will also highlight the research endeavors of current CCR fellows and young investigators through 40 oral presentations and over a 100 poster presentations covering broad scientific categories including:

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The 10th Annual CCR-FYI Colloquium will be held in Hershey, PA from March 17-19, 2010.

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1) Immunology, Microbiology and Virology; 2) Cancer Stem Cells, Molecular and Cell Biology; 3) Genetics, Genomics and Bioinformatics; 4) Pharmacology, Chemistry, and Structural Biology; and 5) Epidemiology and Cancer Prevention.

Eight individuals will receive \$1,000 Travel Awards to use for their travel to future scientific conferences. Additionally, attendees will have the opportunity to participate in "Mentored Meals" throughout the various days with keynote speakers and special invited guests. This program provides a more relaxed and personal atmosphere to interact with different scientific experts on various topics ranging from scientific to career related issues.

Linking Bench-top Science to the Bed-Side

A special session of the colloquium will focus on cancer advocacy and survivorship. "No matter how diverse our research and approach might be, the big picture is that in the end we hope our research will help cancer patients. Hearing from cancer survivors really puts into perspective how the research we are doing within CCR touches people's lives," said Kimberly Shafer-Weaver, PhD, Clinical Services Program, SAIC-Frederick, and a member of the 2010 Colloquium Subcommittee. This year the colloquium boasts a double treat. First, Tamika Felder, a successful TV producer from the Washington D.C. area will share her story of not only losing her father to cancer, but also her own winning battle against cervical cancer. Her experiences have lead her to become a leading advocate for Cancer education and research through her speaking engagements and support network webpage - Tamika and Friends. She is a highly sought after speaker. Second, Shannon K. Bell, MSW, Director, Office of Advocacy Relations, will talk about involving advocates in cancer research to enhance the scientific process and improve patient outcomes by providing a non-scientific viewpoint to the research process that communicates a collective patient perspective.

Beyond the scientific speakers, this year's colloquium offers several workshops and special sessions, a career fair, and CV/resume slam.

Career Options, Strategies, and Growth Workshops

The colloquium also offered six professional development workshops about key issues that fellows and young investigators face during their time at NCI or the next step after NCI. "The specific workshops were determined by a CCR-wide vote to reflect the topics that are most significant to the trainees' professional development. The workshops have always been a popular part of the colloquium because they provide a unique platform for attendees to interact with speakers from diverse scientific backgrounds," said Karobi Moitra, Ph.D., Cancer and Inflammation Program (CIP), CCR, and a member of the 2010 Colloquium Subcommittee. This year's workshops and description include:

1) The Art of Science: This workshop will focus on the art of science communication. In order to succeed in science a myriad of skills are required. Not only should scientists master essential laboratory skills but they should also master the "art" of communication. In this interactive workshop the speakers will focus on different aspects of the novel role of 'communication' in science. Topics covered will include: effective writing/ publishing strategies – a day in the life of a journal editor, effective teaching skills- a perspective on the driving force behind an 'innovative' science educator. Finally, a thought-provoking multimedia presentation on the 'intersection' of art with science will bring into perspective the need to keep an open mind and not seal 'art' and 'science' into their own little air-tight compartments.

2) Science Management: This workshop will address the most difficult issues that new faculty are faced with when running a lab for the first time. These issues include how to obtain and budget funding, directing and managing people (technicians vs. graduate students and postdoctoral fellows), and promoting your research. It is designed to help postdoctoral fellows and young scientists develop the skills needed to successfully lead a scientific research laboratory. This workshop will include speakers with experience in scientific management from both academia and government. Topics discussed will include funding, staffing a lab, delegating responsibility, promoting collaborations and fostering teamwork

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for increased productivity. Anyone interested in “running a lab” should attend this workshop.

3) Moving to Industry: Biotechnology and pharmaceutical companies offer a wide variety of employment opportunities for scientists interested in careers at the bench. Industry also offers many possibilities away from the bench in areas like management, finance, sales, marketing, regulatory affairs, and intellectual property. CCR post-doctoral fellows may already possess many of the favorable skills necessary for a successful career in any of these areas. The speakers of this workshop will describe their experiences in working in industry and will discuss the necessary skills needed to consider in pursuit of the available opportunities in a wide variety of industry-related fields. You will walk away from this workshop with an idea of the questions to ask of yourself and the prospective companies to allow for more informed decisions in your job search process.

4) Opportunities to Build Your CV/Résumé: A curriculum vitae often provides the first impression of a candidate to a potential employer. The content of a CV should quickly grab the reader's interest, and the format must deliver information clearly and concisely. To make it even more challenging: how do you summarize the highlights of your career into just a few pages? Our panel of experts will discuss the basics of CVs and give tips on how to tailor CVs for a specific situation or job opportunity. They will also talk about their experiences in critiquing CVs for students and postdocs and how they adapted their own CVs to get where they are today.

5) Exploring Careers for the 21st Century: Have you ever wondered what other career options are out there? Could you be a patent agent, analyst, consultant to non-government organizations, clinical scientist, policy advisor or technology transfer/licensing officer? This workshop will introduce a range of 21st century science career options, what organizations utilize these careers and how to locate vacancies. Panelists from industry, academia and government will offer personal perspectives on their positions and will discuss how to leverage your existing skills for non-bench positions as well as non-traditional training options.

6) The Job Interview: Academia vs. Industry:

In this highly interactive workshop experts will offer advice and strategies for successful participation in the highly competitive job seeking process of interviewing skills and negotiating competence in relation to both industry and academia. Topics will include interviewing skills, meeting interviewers' expectations, communicating responses with confidence, effective preparation for the interview, handling salary negotiations and other negotiating skills.

The workshops will be held on Thursday, March 18th and Friday, March 19th, 2010. Don't miss your opportunity to gain valuable insight and ask questions of leaders in various aspects of science and scientific careers.

Career Fair: Upload Your CV and Get Your Foot in the Door

Attend the Career Fair and learn about the current job fields, make connections, and meet with numerous employers at once. “As a graduate student, I found the career fair and workshops on science career opportunities very encouraging as I think about where I want to go with my career,” said Katie Stagliano, CIP, CCR, and vice chair of the 2010 Colloquium Subcommittee. Over 20 scientific companies or scientific societies have already registered and will participate in this year's colloquium career fair. Some of the featured companies include: Nature jobs, Qiagen, FDA, Life Technologies, Illumina Inc, SAIC-Frederick, Omega BioTek, Edge BioSystems, Sigma Xi and the National PostDoc Association.

Your CV can be sent to the participating companies prior to the colloquium and you will have the opportunity to talk with potential employers personally. The career fair is a great and relaxed way to interact with a diverse set of companies representing many career opportunities.

CV/Resume Critique

After getting the basics of how to tailor CVs for a specific situation or job opportunity at the Opportunities to Build Your Résumé workshop, take your CV/resume to the CV critique. Drs. Lori Conlan and Sharon Milgram from the OITE will be conducting CV critiques on Thursday 18th March throughout the afternoon,

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1:00pm - 5:30pm. Hard copies of CV's/resumes will be required.

To view the latest agenda of the Colloquium, head over to the following site (<http://web.ncifcrf.gov/events/ccrfellows/program.asp>)

Beyond the Lab: Alternative Careers ... at a Glance

Love science but can't see yourself working in the lab for the rest of your career? There are many venues to implement your education and research training outside of bench work. Here is a concise guide to the leading alternative careers for scientists. Highlighted careers include: Patenting, Research Support or Grant Administration, Technology Transfer, Science/Medical Writing, Consulting, and Nonprofit Organizations. Information on additional career options can be found at www.ScienceCareers.org and www.nature.com/naturejobs/news/non-trad-careers/index.html, as well as in the books, *Alternative Careers in Science: Leaving the Ivory Tower* (2006), by Cynthia Robbins-Roth, and *Guide to Nontraditional Careers in Science* (1999) by Karen Young Kreeger. In addition, representatives from several of the careers listed below will be attending the **Career Fair at the 10th Annual CCR-FYI Colloquium**, so please be sure to check them out if you are interested in the alternative career path.

Patenting

What: Intellectual property law

Who: patent agents, patent examiners, and patent attorneys

How: In the U.S., scientists can join law firms directly after graduate school. While assisting with tasks such as patent applications, they prepare to pass an exam by the U.S. Patent and Trademark Office (USPTO), which permits them to become patent agents. In order to become a patent attorney, a law degree and passing the U.S. Patent Agency Bar Exam is required.

Reference Websites: USPTO (www.uspto.gov), American Bar Association Section of Intellectual Property Law (www.abanet.org/intelprop/)

for more information. Hope to see you in Hershey, PA!

Submitted by:
Kimberly Shafer-Weaver, PhD
The Laboratory of Cell-Mediated Immunity



www.ScienceCareers.org ([careers.html](http://www.ScienceCareers.org)), Intellectual Property Law Server (www.intelproplaw.com)

Research Support or Grant Administration

What: Deciding what research gets funded; issuing calls for proposals, establishing program initiatives, advising researchers, reading proposals, choosing reviewers, coordinating review panels, making funding recommendations to a division director

Who: Program managers or scientific officers at federal agencies (e.g. NIH and NSF), private foundations, and professional societies

How: Program officers in the federal government usually require a PhD and at least 6-10 years of experience in independent research

Reference Websites: National Grants Management Association (www.ngma.org), Society of Research Administrators International (www.srainternational.org)

Technology Transfer

What: Working at the interface of science and business by transferring scientific and technical knowledge from an individual or organization to another for economic advantage, gen-

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erally for commercialization purposes. The NIH Office of Technology Transfer (OTT) is in charge of assessing, protecting, marketing, licensing, and organizing the discoveries, inventions, and other intellectual property of NIH and the FDA

How: Begin with a fellowship in a Technology Transfer Program, such as the NIH OTT

Reference Websites: Association of University Technology Transfer Professionals (www.autm.net), Licensing Executives Society (www.lesusacanada.org), National Technology Transfer Center (www.nttc.edu), NCI Technology Transfer (www.ttc.nci.nih.gov), OTT (www.ott.od.nih.gov)

Science/Medical Writing

What: Science/medical writers merge their science knowledge and research skills with their ability to compile complex information and present it at an appropriate level for the intended audience.

Who: *Science journalists* write for newspapers and magazines; *Technical writers* prepare manuscripts for publication, develop protocols for scientists and physicians, write product specifications, prepare training manuals and technical guides, prepare promotional material for marketing purposes, and edit journals and textbooks.

How: Contact pharmaceutical companies, contract research organizations (CROs), communications agencies, or freelance

Reference Websites: National Association of Science Writers (www.nasw.org), American Medical Writers Association (www.amwa.org), Council for the Advancement of Science Writing (www.casw.org), Biocommunications Association (www.BCA.org)

Science/Management Consulting

What: Government, businesses, and nonprofit agencies hire outside consultants for guided expertise rather than establishing a group internally

Who: Post-bacs, graduate students, and PhDs who have excellent problem-solving and communication skills are qualified for part-time to full-time positions ranging from interns to senior research analysts.

How: Most career experts suggest beginning one's consulting career on a part-time basis in order to gain vital experience and establishing connections. Networking is of utmost importance! For full-time positions, contact consulting companies (most prominent companies are listed below).

Reference websites: Boston Biomedical Consultants: provider of consulting services in the In Vitro Diagnostics (IVD) industry (www.bostonbiomed.com); Advanced Biomedical Consulting: #1 service provider to FDA regulated industries (www.advancedbiomedicalconsulting.com); McKinsey & Company: management consulting firm advising leading companies on issues of strategy, organization, technology, and operations (www.mckinsey.com); Biomedical Consulting International: BCI consultants are experts in global regulatory strategy, product development, pharmacology/toxicology, Chemistry, Manufacturing and Controls (CMC) clinical trial design and patient safety (www.biomedconsult.com)

Nonprofit Organizations

What: Areas of biomedical research, health care, education, international aid, disaster relief, science policy, and science awareness to name a few

How: There are several well-funded organizations dedicated to non-profit biomedical research, including Howard Hughes Medical Institute and Fred Hutchinson Cancer Research Center

Reference Websites: Society for Science and the Public (www.societyforscience.org) and American Association for the Advancement of Science (www.aaas.org)

Submitted by:
Miranda Hanson, PhD
Laboratory of Molecular Immunoregulation

Congratulations to the NCI Director's Innovation Award Recipients

On the evening of January 7th, 2010, a special reception was held, coinciding with the Annual Intramural Scientific Retreat, to recognize this year's recipients of the Director's Innovation Awards. This year highlights the fifth year of the successful program which provides monetary support (\$50,000 for PI and \$10,000 for Career Development of Fellows and Staff Scientists) for novel proposals that are deemed "high risk", projects that have potential for great scientific impact or development of new technology. Of the 76 CCR proposals received, 26 of them were selected. The recipients are listed below:

Principal Investigator Level

- **Stefan Ambs, Ph.D., M.P.H.**, Laboratory of Human Carcinogenesis
Metabolome and Proteome Analysis of Breast Tumors in African-American Patients
- **Chris Buck, Ph.D.**, Laboratory of Cellular Oncology
Identification of Human Polyomaviruses

Career Development Level

- **Cristina Bergamaschi, Ph.D.**, Vaccine Branch
IL-15/IL-15R α Heterodimeric Cytokine in Adoptive Immunotherapy without Lymphodepletion

- **Robert D. Bruno, Ph.D.**, Mammary Biology and Tumorigenesis Laboratory
Reprogramming Human Breast Cancer Cells in the Mouse Mammary Microenvironment
- **Anuradha S. Budhu, Ph.D.**, Laboratory of Human Carcinogenesis
Comprehensive Metabolomic and Integrative Profiling of Hepatocellular Carcinoma
- **Amiran Dzutsev, MD, Ph.D.**, Laboratory of Experimental Immunology
Role of Commensal and Pathogenic Microorganisms in Development of Colon Cancer
- **Reina Fernandez de Luco, Ph.D.**, Laboratory of Receptor Biology and Gene Expression
Non-coding RNA Regulators of Alternative Splicing
- **Kathy Flanders, Ph.D.**, Laboratory of Cancer Biology and Genetics
Development of a Mouse Model of High Mammographic Density Using TGF- β
- **Jean-Pierre Gillet, Ph.D.**, Laboratory of Cell Biology
Validation of ABCB5 as a Marker of Melanoma-initiating Cells Using Knock-in Mice
- **Frances Hakim, Ph.D.**, Experimental Transplantation and Immunology Branch
Monocyte Transcriptome in Chronic Graft vs Host Disease/Nanostring Technology



Photograph of the 2010 NCI Director's Innovation Award recipients

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- **O. Zack Howard, Ph.D., and Xin Chen, MD, Ph.D.**, Laboratory of Molecular Immunoregulation
Targeting TNFR2 as a Novel Strategy in Breast Cancer Treatment
- **Lisa Jenkins, Ph.D.**, Laboratory of Cell Biology
Use of New Chemical Methods to Investigate a Novel Mechanism of Bcl-xL Degradation
- **Smita Kulkarni, Ph.D., and Ram Savan, Ph.D.**, Laboratory of Experimental Immunology
MicroRNA Mediated Regulation of HLA-C and HLA-B Gene Expression
- **Michal Legiewicz, Ph.D.**, HIV Drug Resistance Program
Structural Responses in Tumor Suppressor mRNAs Induced by miR-21 in Breast Cancer
- **Zhihui Liu, Ph.D.**, Pediatric Oncology Branch
Genetic Screen of Candidate Tumor Suppressor Genes for Neural Crest-derived Tumors
- **Yan Li, Ph.D.**, Cell and Cancer Biology Branch
A Novel Mouse Model of Neuroendocrine Lung Tumors
- **Richard A. Morgan, Ph.D.**, Surgery Branch
Targeted Killing of Brain Tumor Stem Cells by Genetically Engineered Human Lymphocytes
- **Brad Scroggins, Ph.D.**, Urologic Oncology Branch
Hsp90 Regulation of RNA-induced Gene Silencing Pathways
- **Eilon Sherman, Ph.D.**, Laboratory of Cellular and Molecular Biology
Super-resolution Imaging of Protein-protein Interactions and Complexes in Live Cells
- **Myong-Hee Sung, Ph.D.**, Laboratory of Receptor Biology and Gene Expression
Cell Penetrating Peptide Inhibitors of the NF- κ B Pathway for Systems and Translational Biology
- **William G. Telford, Ph.D.**, Experimental Transplantation and Immunology Branch
Supercontinuum White Light Lasers for Full-Spectrum Excitation in Flow Cytometry
- **Nadya Tarasova, Ph.D.**, Cancer and Inflammation Program
Selective Inhibitors of Interleukin 10 and Interferon Gamma Signaling
- **Atsushi Terunuma, M.D., Ph.D.**, Dermatology Branch
GABA Signaling in Malignant Melanoma
- **Scott F. Winter, Ph.D.**, Laboratory of Cancer Biology and Genetics
Insertional Mutation Screen for Breast Cancer Metastasis Genes
- **Shuang Yan, Ph.D.**, Pediatric Oncology Branch
BM Niche Changes Neural Tumor Cell to B-cell-like Tumor-initiating Cell
- **Liang Zhu, Ph.D., and Michael Tangrea, Ph.D.**, Laboratory of Pathology
Layered Electrophoretic Tissue Separation
- **Xuguang Zhu, Ph.D.**, Laboratory of Molecular Biology
Modeling Genetics and Hormonal Milieu Interactions with Exogenous Risk Factors in Thyroid Cancer

Congratulations to all of this year's recipients!

*Submitted by:
Tim Chan, PhD,
Laboratory of Experimental Immunology*

**Are you interested in getting the next issue of our newsletter?
Want to stay up to date with trainee related events within CCR?**

Sign up for the CCR-POSTDOCs listserv.

All you have to do is email listserv@list.nih.gov and type in "subscribe ccr-postdocs" in the body of the message

Results from the FYI Annual Scientific Survey

The 2009 annual scientific survey was distributed to attendees of the 9th Annual Fellows Colloquium in Hershey, PA held from March 18-20, 2009. The purpose of this survey is to provide information to the Steering Committee along with the CCR leadership to improve the training and

mentoring environment for our trainees. This survey, as in previous years, focuses on three main areas: demographics, current NCI/CCR fellowship, and family/life considerations. Shown below are the results from a selection of questions from this survey.

Are you learning the skills you need to develop your career?

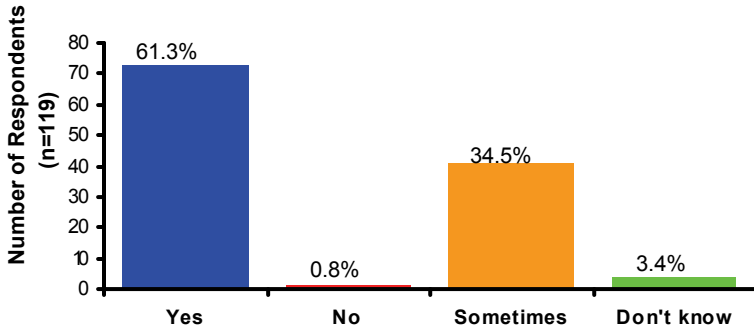
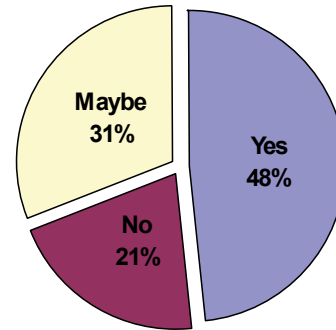


Figure 1: Nearly 96% of trainees felt that they were learning the skills needed to develop their career at least some of the time.

Would you be interested in multiple mentors for scientific and career advice? (n=116)

Figure 2: 48% of trainees were interested in multiple mentors for scientific and career advice.



Who is your mentor, if not your PI? (n=33)

Do you consider your PI your mentor?

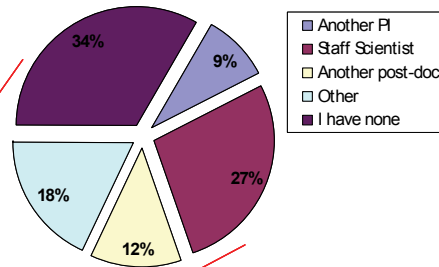
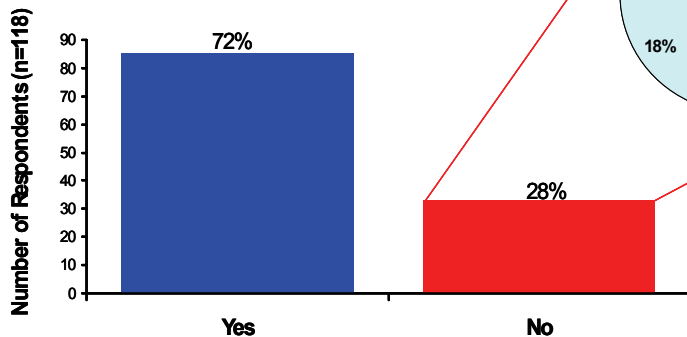


Figure 3: 72% of fellows considered their PI to be their mentor. Of those that do not consider their PI to be a mentor, 34% felt they have no mentor.

In your current fellowship position, how many peer-reviewed publications do you have? (n=120)

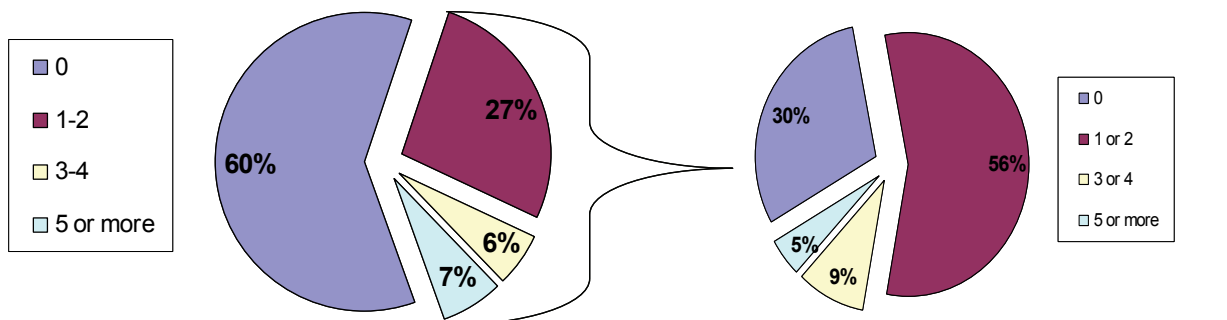


Figure 4: Only 40% of respondents had at least one peer-reviewed publication while at the NCI. The low number may be due to the fact that nearly 70% of the fellows were within their first two years of training.

2010 NCI Intramural Investigators Retreat

Each year, the results of the survey are compiled and disseminated through various means to the CCR community and leadership. Recently, a poster of this survey was presented at the Annual NCI Intramural Investigators Retreat, which was held in January, 2010. Drs Niederhuber and Wiltrout in their opening remarks emphasized the importance of the FYI organization for strengthening the training mission of the NCI for current and future trainees. Many PIs visited the poster and asked questions, providing a positive response and feedback.

One of the questions that created a dialogue was the response given for “Do you consider your PI your mentor” (Figure 3). Although 72% agreed with the statement, the remaining 28% stated the opposite. Of the respondents who

stated that their PI was not their mentor, the majority of them further indicated that alternative individuals such as staff scientists or other PIs were their mentors. Surprisingly, 34% of the non-responders felt that they have no mentor. From the informal discussion, there was a common theme that open communication and effort from both the trainee and mentor(s) needs to be improved.

Many PIs found it interesting that the attendance to the Annual Colloquium was split evenly between Frederick and Bethesda campus and that it had not changed over the years (Figure 5). They commented that they believed that since the Bethesda campus had more fellows that the attendance would be skewed toward that campus. We also had several new PIs that were excited about the effort the Steering Committee is putting forward to connect fellows and are urging their fellows to participate. Visitors from extramural institutions also stopped and were very interested in taking back information so they may get an “FYI-like” organization started in their institutions. We also handed out fliers for the Colloquium, and asked the PIs to encourage their labs to participate in CCR-FYI Association and in the Colloquium.

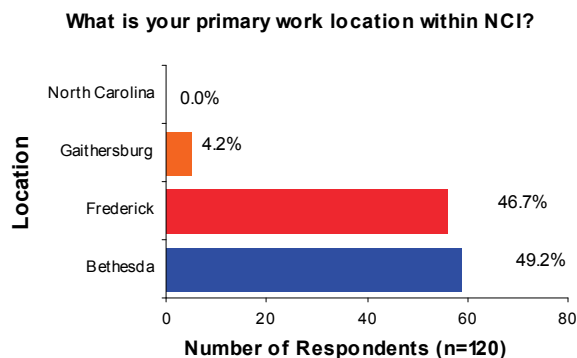


Figure 5: The response to “What is your primary work location within NCI” from respondents of the Annual Scientific survey.

Submitted by:
 James Gould, PhD
 Stephanie Watkins, PhD
 Kate McGee, PhD
 Kim Shafer-Weaver, PhD
 Christian Capitini, MD
 FYI Scientific Subcommittee

Upcoming Events

- **NCI-Frederick and Fort Detrick Spring Research Festival, May 5-6th, 2010**
Registration deadline: April 21st, 2010
<http://web.ncifcrf.gov/events/springfest/2010/>
- **Applications for the Fellows Award for Research Excellence (FARE) 2011**
Deadline: March 23, 2010
For more information: <http://felcom.od.nih.gov/subCommittee/fare.aspx>

To all CCR trainees

Did you know that the *CCR Office of Training & Education*:

- Assists trainees and mentors with mentoring issues.
- Assists in submitting applications for various funding mechanisms.
- Provides opportunities for expanding collaborative interactions.
- Assists trainees in the transition to different career paths.
 - Provides numerous courses
 - And much more!

CCR Office of Training & Education

Jonathan S. Wiest, PhD

Director for Training and Education

Tel: 301.451.9638 wiestj@mail.nih.gov

Are you **LinkedIn** with the CCR FYI?

Check it out at http://www.linkedin.com/groups?gid=2495548&trk=hb_side_g

If you are not on LinkedIn, you will have to create an account, which takes no more than five minutes

The Fellows and Young Investigators (FYI) Association was organized by non-tenured and non-tenure-track MDs, PhDs, or the equivalent, and pre-doctoral intramural scientists. It enhances the intramural training program, fosters communication among fellows and the CCR community, and serves as a liaison to administration programs that affect the training experience by:

- Organizing and promoting educational activities such as training courses and seminars.
- Identifying potential employment opportunities in traditional and nontraditional career paths.
- Helping orient new trainees.
- Facilitating communication among members.

The purpose of this group is to professionally link current and previous NCI fellows.