



From the Editor's Desk

We present to you another edition of the newsletter. In this issue, read up on what will be happening at this year's Colloquium. We also have several feature articles examining 21st Century careers in Science focusing on Management Consulting and spotlighting mentoring success through an interview with Dr. Figg, one of the 2008 recipients for the Outstanding Mentor Awards at the NCI. In addition, the results from the Scientific Survey are released and the findings are summarized in this issue. Congratulations also go out to the recipients of this year's Directors Innovation Award.

Editors:
Tim Chan, PhD
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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

Providing support for fellows at CCR

CCR-FYI Association is supported by the CCR Office of the Director

CCR-FYI News

9th Annual CCR-Fellows and Young Investigators Colloquium

The 9th Annual CCR-Fellows and Young Investigators Colloquium is being held from March 18th to March 20th, at the Hershey Lodge, Hershey, Pennsylvania. The colloquium is open to all members of the CCR community, including post-docs, clinical fellows, grad students, post-bacs, and P.I.s. The Hershey Lodge is approximately 2 hours from the Bethesda campus and 1.5 hours from the Frederick campus. The format will be similar to previous years. Four outstanding keynote speakers are lined up to present their research:

- **Dr. Tak Mak**, Director of the Campbell Family Institute for Breast Cancer Research, Princess Margaret Hospital, University of Toronto;
- **Dr. Susan Gottesman**, Head, Biochemical Genetics Section Laboratory, CCR, NIH,
- **Dr. Carla Kim**, Assistant Professor, Department of Genetics, Harvard Medical School, and
- **Dr. Crystal MacKall**, Chief, Pediatric Oncology Branch, CCR, NIH.

All of the speakers will participate in 'mentored meals', which will facilitate interactive discussion between attendees and speakers.

A total of 174 have been received for consideration for poster and oral presentations. The topics include Pharmacology, Chemistry, Carcinogenesis, Cancer Models, Metastasis, Epidemiology, Cancer Prevention, Cancer Stem Cells, Molecular and Cell Biology, Signal Transduction, Gene Transcription, Genetics, Genomics, Proteomics, Bioinformatics, Immunology, Virology and Clinical and Translational

Research. Individuals selected for a poster or oral presentation will be eligible for a Travel Award of \$1000. A total of eight Travel Awards will be presented on the last day of the conference.

In addition, there will be four workshops that will cover a range of themes relevant to young researchers at the NCI; 'Getting the Most out of Your Postdoc', 'Moving to Industry', 'Getting from the Bench to the Bedside', and 'Effective publishing strategies'. These workshops consist of brief presentations by a series of experienced panel members, followed by an interactive forum for attendees to probe the presenters for information and insights on these topics.

As with previous years, there will be a joint career fair taking place. This session provides postdocs and postbacs with the opportunity to converse with a diverse range of companies about upcoming positions and opportunities. Some of the companies included are AAAS, Kelly Services, Lockheed Martin, Pinnacle Resources, and Regeneron Pharmaceuticals. This will be an excellent opportunity for anyone considering the next step in their career.

In addition, a career highlight session will focus specifically on some of the diverse career opportunities facing NCI scientists. Specifically, this session will focus on consulting, technology transfer, science policy and science writing. Through these focussed sessions, CCR scientists will have an improved understanding

of what these kinds of jobs entail and be further prepared for such a transition. In addition,

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The 9th Annual Fellows and Young Investigators Colloquium takes place from March 18-20th in Hershey, PA. For more information, visit the website at <http://www.ppleventreg.com/fyi2009/>

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Steve Gallison will be available for a one-on-one CV critiquing session.

This year, the colloquium will also address the issue of survivorship, with the screening of the film 'Dear Talulah' and the attendance of its maker, Lori Benson. This touching and thought-provoking film chronicles Lori's journey as she deals with a breast cancer diagnosis, and how the experience affected her life and that of her young family.

Finally, congratulations to Aaron Schetter who was chosen as this year's Outstanding Postdoc. There were many excellent candidates nominated by their mentors, and following the selection process, Aaron was chosen as this year's winner. He will give the Outstanding Postdoctoral Keynote Address on March 19th, entitled 'MicroRNAs and Cancer: From Discovery to Their Potential as Biomarkers and Therapeutic Targets in Cancer'.

All costs for this colloquium are kindly provided by the Center for Cancer Research and we are very grateful to have their continued support for this important gathering of CCR scientists. Further information is available on the website at (<http://www.ppleventreg.com/fyi2009/>) and additional details can be sought from the organizing committee. We look forward to seeing you there.

Submitted by *Brid Ryan, PhD*, on behalf of the organizing committee

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Bethesda CCR Fellows PASS (Presentation Skills Seminar)

Every 2nd and 4th Tuesday of the month from 3:30 - 4:30 pm
(in Building 37, 6th Floor Conference Room)

NCI-Frederick Postdoc Seminar Series

Alternating Tuesdays of each month from 12:30 - 1:30 PM
Bldg 549 Auditorium

This seminar series is designed as a platform on which to practice conference/job talks and receive constructive feedback from other Fellows. You will Improve your Speaking and Presentation Skills, Learn about Ongoing CCR Research & Meet Other Fellows and Young Investigators

For more information:

Bethesda PASS - contact Brid Ryan : ryanb@mail.nih.gov
NCI-Frederick - contact Madeline Knoebel: wilsonmk@ncifcrf.gov

Interested in joining the Steering Committee?

Attend one of our monthly video-conference meetings on the last Thursday of each month

**Where: Bethesda: Bldg 37 4th Floor Conference Room
Gaithersburg ATC: 8717 Grovemont Circle, Rm 142
Frederick: Bldg 549, Conference Room A
Time: 11:00 AM– 12PM
<http://ccr.nci.nih.gov/careers/fellows>**

Articles

21st Century Science Careers: Management Consulting

In this series of articles, I will profile different career options for people with a science or medical background and post-graduate degrees. To gain an insider's perspective, I will interview a former scientist who currently works in the that particular industry. I will try to cover a wide range of career paths and will publish a new article to appear in every issue of the CCR FYI Newsletter.

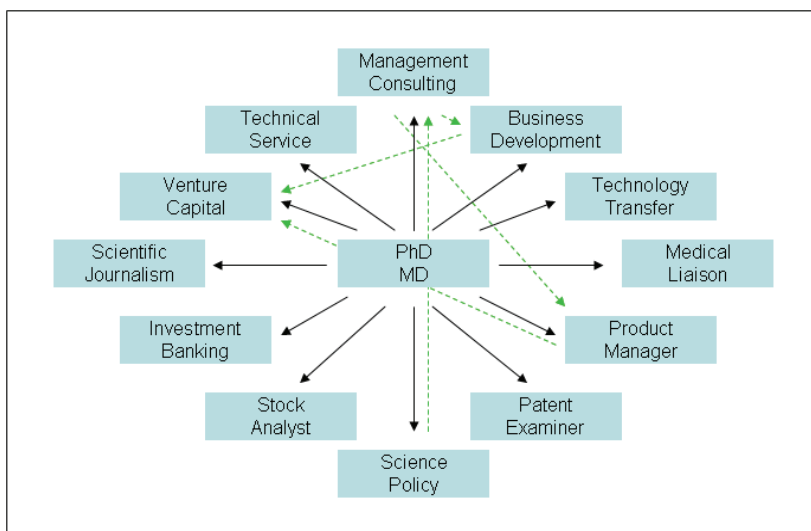
The reason I am starting this series is because a lot of scientists are looking for careers outside the bench but do not know what is out there or how to equip themselves to get the positions they are interested in. So, I wanted to take on the responsibility of finding answers to the questions that are on their minds.

Why would one pursue a career outside the bench after working so long and hard for his/her degree? Well for a variety of reasons, a lot of scientists realize that a career at the bench may not be the right choice for them any more. In addition, I believe that when one thinks about the bigger picture, science starts at the bench but its fruits are realized only when it is commercialized. Scientific methodology of collecting data, analyzing results, and problem-solving can be applied to various aspects of science and medicine development. Unfortunately, academic institutions expose their students to the academic career path only. The journal *The Scientist* discussed this problem and potential solutions in an excellent article ¹.

So what is out there? There are a lot of options for scientists outside the lab. Figure 1 depicts some of these careers (this list is not exhaustive). What is more interesting is that one career

leads to and connects with others. For example, a scientist working as a management consultant can end up leading the business development department of a large pharmaceutical or biotech company.

According to the NSF, more than 50% of scientists leave academia to pursue other career paths ². Scientists working outside the bench excel and do very well, since, by virtue of their training and everyday responsibilities, they acquire unique sets of skills that can be applied to various positions outside of the lab. The NIH is a great place for learning, and acquiring



Some potential careers options outside of the traditional lab.

unique skills to prepare you for various career opportunities outside of the lab.

In this article, I will profile Management Consulting and to gain further insight into this career path, I interviewed Tegan Blaine, PhD, a consultant at McKinsey & Co.

Management Consulting

Samarth Kulkarni, PhD, wrote an elegant article ³ on management consulting for scientists in *Nature Biotechnology*. In this article, Dr. Kulkarni discusses why he made the switch from bench to management consulting and describes what he currently does as a management consultant. Briefly, as a consultant, you will work typically in teams, with a diverse set of individuals ranging from CEO's of large companies to government officials around the world. You apply your analytical and problem-solving skills, which you have

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acquired throughout your pre-doctoral education in graduate school and post-doctoral training here at the NIH, to solve complex business problems. So, instead of examining a western blot to determine if a treatment causes the overexpression of a certain protein, you will, for example, work with a pharma company to examine the prescribing habits of physicians to determine if a drug can be marketed more efficiently.

The interview

Can you please tell me a little bit about your scientific background?

I received my PhD in Climate Change from the Scripps Institute of Oceanography, University of California, San Diego. Before graduate school, I was a member of Peace Corps, and after graduate school, I took on an AAAS fellowship at the Department of State. Such fellowships accept about 150 PhDs a year to serve in governmental agencies. Of all the AAAS fellows, a third spend their time on the Hill, a third in international agencies, and a third in federal agencies. This fellowship helped strengthen and sharpen the skills I had already acquired in graduate school and build a new set of skills. After finishing this fellowship, I decided to join McKinsey & Co as a consultant.

You are a well accomplished scientist with an outstanding scientific record. Why did you choose to change careers, specifically to management consulting?

I am interested in many problems and my academic work now did not allow me to tackle these problems. I needed a job that exposed me to a wider range of issues and questions and allowed me to have a greater and more direct impact on what I want to do.

I am guessing that the skills you acquired and needed to excel in graduate school are different than those skills required by a management consulting career. If they are, how did you prepare yourself for the transition? And was the transition hard? If they are not, can you elaborate on the similarities.

The skills I had acquired through graduate school and life experiences helped me considerably. McKinsey & Co is looking for individuals who

can lead teams, synthesize ideas, solve problems, and communicate well. This career, however, can be challenging especially in the first year since assignment options are less flexible, and it is often very difficult to control what projects and assignments one works on. However, after the first year, it becomes much easier to choose which projects one would like to take on. I apply my analytical and problem-solving skill on a daily basis and they were very useful in the interview process. The interview process at McKinsey is very rigorous and different than that in academia. The process is actually three interviews: the first one consists of tests and cases, and the second and third are case interviews.

To follow up on the issue of skills, how can a scientist who had no experiences other than bench work market him/herself for a career in management consulting?

In order to better prepare themselves for a consulting career, scientists should try to teach classes and present to a general audience in order to develop their speaking skills, and to reach out to people to improve their leadership skills. With respect to job hunting, they should be aggressive and keep looking for opportunities.

The path to success in science is very well defined. We know that scientists need to publish papers, get their RO1 (or similar) grants, achieve tenure and then professorship. How is the path different in management consulting?

The path to success is much clearer in management consulting. Expectations are written out: Consultants are expected to receive their first promotion within two years, and they get reviewed every six months. The review is very useful as one receives much constructive feedback. Furthermore, consultants are expected to publish internal documents to help the firm grow and give outside talks to educate people on various issues. In addition, many consultants use this career as a stepping stone to other careers. For example, some of my McKinsey colleagues currently work at Novartis, the Gates Foundation, and the Education Department of Washington, DC.

Due to the nature of experiments, scientists spend the majority of their time at work, and end up having little or no time for themselves. How do you describe the work-life balance situation as a man-

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agement consultant?

Consultants put in 55-65 hours per week and generally spend 75% of their time traveling. They travel Monday through Thursday to be at their client's site, and spend Friday at their home office. However, during their assignments, they get to meet and interact with great people, from CEO's of large companies to government officials.

What are the advantages and disadvantages of management consulting from a scientist's point of view?

Advantages include traveling, building diverse sets of skills (organizational design, leadership, strategic thinking, how to lead a group effectively), and having access to amazing decision makers. I have interacted with amazing people and have been exposed to various aspects of running and understanding organizations: strategic thinking, logical development, and setting goals for moving things forward. One major disadvantage is that, as a consultant, I do not get to implement the changes I advise my client to undertake. However, I follow up to know how things are working out for them.

Dr. Blaine is kind enough to offer further help if needed. She can be reached at her Washington, DC office at (202) 662-1374.

Of course, there are a lot more questions that one can ask. I would love to hear your feedback and the questions you would like asked. Please email me at samarar@mail.nih.gov

Stay tuned for the next issue where I will be profiling another industry.

Article Submitted by:
Raed Samara, PhD

References

1. <http://www.the-scientist.com/article/display/15646/>
2. Lori Thurgood, Mary J. Golladay, and Susan T. Hill. US Doctorates in the 20th Century. National Science Foundation. June 2006. http://www.nsf.gov/news/news_summ.jsp?cntn_id=108085
3. Samarth Kulkarni. Management consulting for scientists. *Nature Biotechnology* **25**, 1489 - 1490 (2007)

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!**

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Spotlight on Mentoring at the CCR: an interview with Dr. Figg

Excellence in mentoring was celebrated on November 4, 2008 during the NCI Director's Awards ceremony when four Outstanding Mentors and four Mentors of Merit were honored. The 2008 Outstanding Mentors are Erik Augustson, PhD, MPH. (DCCPS), William Douglas Figg, PharmD (CCR), Jackie Lavigne, PhD, MPH (DCEG) and Glenn Merlino, PhD (CCR). The 2008 Mentors of Merit are Robert Blumenthal, PhD (CCR), Nancy Colburn, PhD (CCR), Richard Hayes, DDS., MPH, PhD, (DCEG) and William Stetler-Stevenson, MD, PhD (CCR). These investigators were nominated by their fellows, selected by a review panel and ultimately chosen by Dr. John Niederhuber. The selection criteria included the record of the mentor's former students, scientific expertise, accessibility, good communication and working environment as well as encouragement of fellow visibility and career development. As mentoring is of particular interest to fellows, we plan to interview the Outstanding Mentors within the CCR to get their input on mentoring and the experience of fellows at the NIH. This month, we spoke with Dr. William Douglas Figg.



Photograph of William Douglas Figg, PhD, recognized as one of the 2008 Outstanding Mentors

Dr. Figg received his BS in pharmacy from Samford University, his doctorate in pharmacy (Pharm.D.) from Auburn University, and he also has a dual MBA degree from Columbia University and London Business School. He joined the Clinical Pharmacology Branch of the NCI and became chief of the Molecular and Clinical Pharmacology Section in 1993. He also heads the Clinical Pharmacology Research Core and the Preclinical Pharmacology Research Core. His interests lie in using pharmacological principles in anticancer drug development and as such his lab covers a broad spectrum of drug development; from identifying targets, designing new drugs, testing novel compounds on mouse models and carrying out clinical trials. He leads a lab of over 25 people including staff scientists, clinical interns, fellows, and a steady stream of rotating students. Over the course of his seventeen year career at the NIH, he has mentored approximately 45 trainees including

PhDs, MDs, PharmDs and medical oncologists. These former trainees have found success in their careers in various places including industry and within academia – in addition to fellows who now hold tenure-track positions, three former fellows are heads of clinical pharmacology cores at cancer centers. He has also supervised 11 PhD students and their thesis work has been tied to various universities such as Oxford, Virginia Commonwealth, John Hopkins, University of Pittsburgh and University of Maryland.

When asked about his attitude towards mentoring fellows, Dr. Figg replied that he believes that it is important to understand what motivates his fellows in order to tailor their experience to their individual needs and goals. Once he understands what his fellows are looking for in their training, he can help them build upon their strengths and weaknesses and meet their goals. He operates on an “open door” policy for research questions and ideas, as well as concerns, and he uses a weekly group meeting where fellows can discuss their research, and practice upcoming presentations. Dr Figg uses these meetings as learning

experiences, as many of his fellows have different specialties. Fellows who work mainly in the lab and molecular sciences can learn more about the clinical relevancy, and clinicians can learn more about the basic science and ongoing research. By encouraging his fellows to look at the ‘bigger picture’ of their work, they gain a unique perspective on the impact of their research in basic science and its translation to the clinic. Dr Figg realizes the importance of collaboration and understanding the many aspects of research essential to progress from ‘bench to bedside’ and thus incorporates this knowledge into his mentoring. He also feels it's important to meet with each fellow several times a year to specifically discuss their career goals and their progress made towards achieving them. His diverse background and contacts with the pharmaceutical industry means that he can offer insight into a range of career options including those outside the academic field.

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For his students who wish to advance in academia, Dr. Figg recognizes that, while developing their scientific abilities is an important part of their training, there are several other skills which will be vital as they progress through the tenure track process. Key among these skills is the ability to manage and motivate people – from a new principle investigator's first technician, graduate student or post-doctoral fellow to a lab with a large number of people with differing personalities. Dr Figg encourages his trainees to gain experience for these challenges by mentoring rotating students and junior members of his lab. Another key aspect of the post-doctoral experience that Dr Figg promotes is gaining visibility within their field and as such he encourages his students to attend and present data at a conference at least once a year. As well as allowing fellows to keep abreast of the latest science, this also helps the fellow to gain recognition and to build a network of potential collaborators or employers. Dr. Figg also ensures that his trainees interested in academia are in-

involved in the grant writing and reviewing process. As a result, many of his trainees have been awarded research grants, travel awards, and young investigator awards very early in their careers.

Due to his meticulous attention to all aspects of training, Dr. Figg ensures that his mentees leave with a rich and varied resume, ready to assume the next chapter in their career, whatever that may be. His current and past trainees obviously have a high regard for Dr. Figg's mentoring abilities and this award is recognition for the effort he has put in to tailoring each individual's experience over the last 17 years.

We will be highlighting the achievement of Dr. Glenn Merlino for also receiving the 2008 Outstanding Mentor Award in the next issue.

*Article submitted by:
Selinda Orr, PhD
Geraldine O'Connor, PhD*

Highlights from the 2008 Scientific Survey

With the 2009 CCR-FYI colloquium fast approaching, the scientific committee would like to review the results from a survey conducted during the previous FYI-CCR annual colloquium that took place March 3-5, 2008, in Ocean City, MD. The purpose of the survey is to gather data for current trainees in three main areas: demographics, current NCI/CCR fellowship, and family/life considerations. The survey is also used to provide information to the CCR leadership for improving the training and mentoring of our trainee population. In this article we will briefly share an overview of their thoughts and concerns, focusing on the CCR experience.

Last year, 320 attendees were present at the colloquium, and 202 started the survey. Of these respondents, 197 completed the survey, for an overall 97.5% response rate. The respondents were 52.5% male and 47.5% female; 37.1% were U.S. citizens and 62.9% were non-U.S. citizens; the majority were either visiting fellows (39.8%) or CRTA fellows (35.8%); 45.2% were from NCI-Frederick and 49.2% from NCI-Bethesda, while the remaining 5.5% of respondents were from North Carolina and Gaithersburg locations. The majority of respondents have been at NCI for either 0-1 year (33.5%) or 1-2 years (32%) (Figure

1). This demographic breakdown was similar to trainees who attended the colloquium in years' past.

Key findings in the survey indicate that 70.5% of respondents feel they are learning the skills they need to develop their career, with an additional 27.5% feeling they "sometimes" are learning these skills (Figure 2). In addition, the majority of respondents (88.5%) can count on their principal investigator (PI) for scientific advice/help (Figure 3).

On the topic of mentoring, it appears most PIs act as a mentor, but 17% of the fellows did not consider their PI their mentor (Figure 4). Whether this is due to the fact that staff scientists or other members of the lab act as mentors in the lab, or because the fellows felt they are not receiving proper training from their PIs, is not clear. Mentoring is an issue taken very seriously by the NCI, and our committee will work with the Office of Training and Education as well as CCR leadership in exploring this topic further.

Very closely related to the issue of mentoring is the Training Plan, which aids in fostering

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Figure 1. Demographic characteristics of CCR-FYI Steering Committee survey respondents. The survey is administered annually at the CCR-FYI Colloquium to trainees in attendance. Respondents represent the following demographics: a. gender; b. U.S. citizenship; c. position held at NCI; d. primary work location within NCI; e. number of years at NCI.

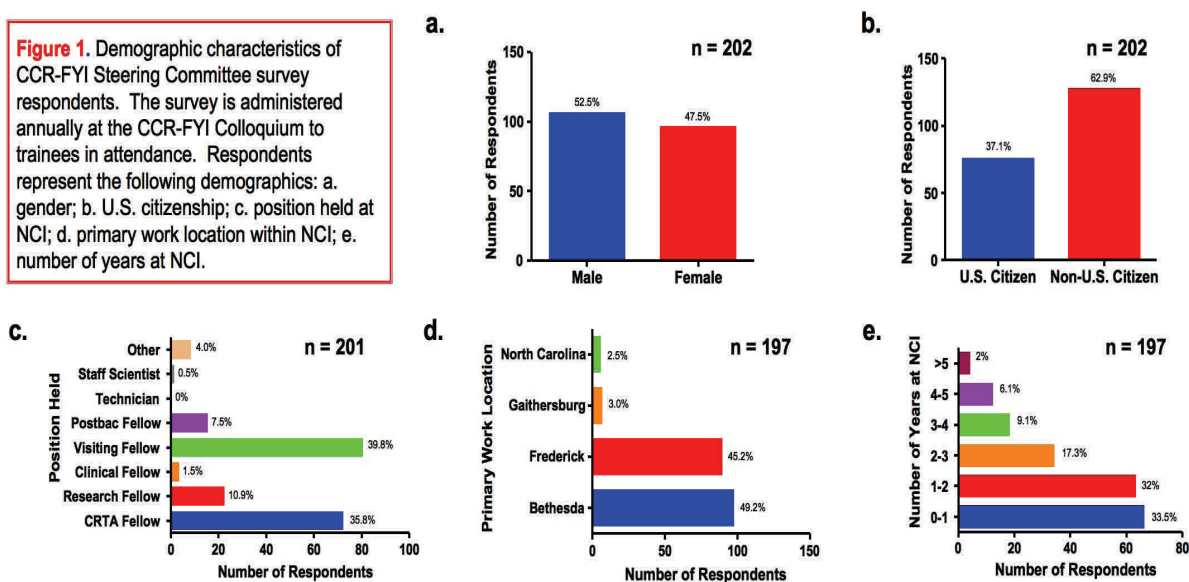


Figure 2. Survey question: Are you learning the skills you need to develop your career?

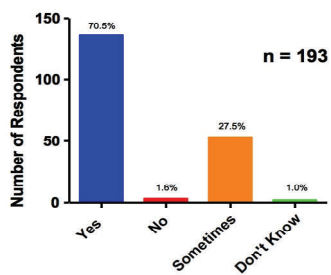


Figure 3. Survey question: Can you count on your PI for scientific advice/help?

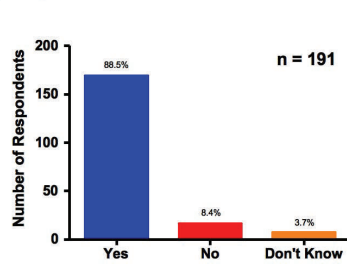


Figure 4. Survey question: Do you consider your PI your mentor?

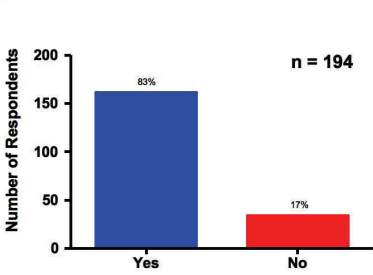
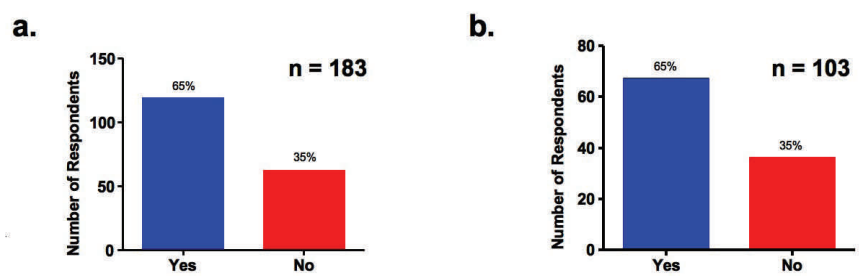


Figure 5. Survey questions: a. Have you completed an Initial Training Plan?; and b. If you answered yes, have you completed a Training Plan Update?



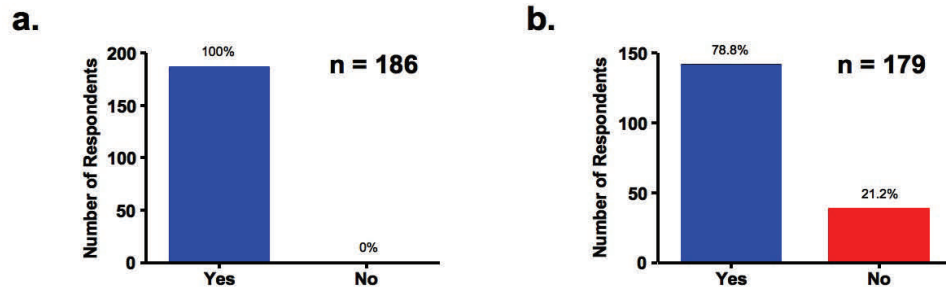
the development of the postdoctoral fellow's career by providing a broader vision of their work in the context of their career aspirations. We found that 65% of trainees completed an initial Training Plan, and 65% completed a Training Plan update (Figure 5). While the reasons for why 35% of trainees have not started or updated their Training

Plan are not clear, future questions may address this issue further, and we will try to emphasize the Training Plan further in our orientations and at the next colloquium.

Lastly, while 100% of trainees would rec-
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Figure 6. Survey questions: a. Would you recommend the CCR/NCI to a colleague?; and b. Would you recommend your current laboratory to a colleague?



ommend the CCR to a colleague, 78.8% would recommend their specific laboratory to a colleague (Figure 6). It is not clear whether there is a correlation between not recommending CCR and issues regarding mentorship. We will attempt to stratify the current data and revise our future questionnaires to answer this question.

Overall, CCR continues to attract a diverse group of young investigators, with the vast majority having favorable opinions of their training experience. Although we know that these data may not reflect precisely the opinion of the entire NCI fellow community, we have tried to give an accurate overview of the data analyzed, and hope this survey will provide insight into identifying problem areas in training and possible solutions towards addressing these issues. In the future, a separate survey may be delivered to capture the opinions of fellows who are further along in their training, and we will also continue to encourage

senior postdocs to attend the colloquium.

We want to thank all of the people that made this study possible. We also want to emphasize the importance of obtaining continuous feedback from the CCR fellows through tools like the CCR-FYI colloquium survey as it is critical toward continuing the dialogue between the fellows and the Office of Training and Education to improve the training experience at the CCR. Remember, we need your help in order to do this! Do not forget to fill out next year's survey at the 9th Annual Colloquium, scheduled for March 18-20th, 2009, in Hershey, PA!

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Congrats to 2009 NCI Directors Innovation Award Recipients

On January 8th, 2009, the NCI Director's Intramural Innovation awards were handed out during the evening session of the annual Intramural Scientific Retreat. In 2006, the Director's Intramural Innovation Award was started to support novel proposals that are considered "high-risk" or projects with a potential for high scientific impact in the field, or the ability to generate new technology or intellectual property. These awards are offered at two different levels with funding up to \$50,000 for PIs and up to \$10,000 for fellows, as part of a Career Development award. Below is the list of the 2009 recipients:

PI Award:

- Chris Buck, Ph.D., Laboratory of Cellular Oncology
Investigation of the Role of Merkel Carcinoma Polyomavirus in Human Cancers
- Steven X. Hou, Ph.D., Mouse Cancer Genetics Program
Disruption of Mouse Scribble (Scrib1) Causes Uterine Enlargement- A Cervical Cancer Model

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- Zhi-Ming Zheng, Ph.D., HIV and AIDS Malignancy Branch
Genome-Wide Viral and Cellular RNA Targets of KSHV ORF57 in KSHV-Infected B Cells

Career Development Awards:

- Jessica Bonzo, Ph.D., Laboratory of Metabolism
Protective Effect of Fenofibrate Treatment Against Radiation Therapy-Induced Inflammation
- Jill Koshiol, Ph.D., Medical Oncology Branch
Chronic Immune Stimulation and Lymphomagenesis in the Cancer Research Network
- Hosein Kouros-Mehr, Ph.D., Laboratory of Cancer Biology and Genetics
A Novel Lentiviral Genomic Screen to Identify Regulators of Breast Cancer Differentiation
- Jae-Ho Lee, Ph.D., CCR Nanobiology Program
Design of Nanoparticle-Encapsulated Thermo-sensitive Liposomes for Cancer Imaging and Treatment
- Peter McCormick, Ph.D., Laboratory of Cellular Oncology
Internalization Inducers of Cell Surface Receptors: A New Class of Therapeutics
- Prasun Mishra, M.Sc., Ph.D., Laboratory of Cancer Biology and Genetics
Novel Anti-Cancer Therapy: Targeting Carcinoma-Associated Fibroblasts in the Tumor Microenvironment
- Jason Rausch, Ph.D., HIV Drug Resistance Program
Incorporating Unnatural Amino Acids into the Pol V Mutasome for Photocrosslinking and Single-Molecule FRET

- Brid Ryan, Ph.D., Laboratory of Human Carcinogenesis
Polymorphic microRNA Binding Sites in MBL-2: A rationale for Health Disparities in Colon Cancer
- Ram Savan, Ph.D. and Tim Chan, Ph.D., Laboratory of Experimental Immunology
Identifying 3UTR Elements Involved in Post-Transcriptional Regulation of Interferon Gamma
- Vijay Shah, Ph.D., Molecular Imaging Program
Multiparametric MRI-Based CAD System for Prostate Cancer Detection to Assist Focal Therapy
- C. Andrew Stewart, Ph.D., Laboratory of Experimental Immunology
TLR Signaling and IL-10 Pathway Knockdown for Localized Dendritic Cell Activation
- Qiou Wei, M.D., Ph.D., Laboratory of Cancer Prevention
Sulfiredoxin is Essential for the Survival of Adult Skin Stem Cells and Cancer Stem Cells
- Hui Yang, Ph.D., Gene Regulation and Chromosome Biology Laboratory
A New Strategy to Identify Palindromes in Human Tumor Cells

Applications for the 2010 Director's Innovation awards will be announced later this summer so stay tuned for the announcements.



Group photo of the 2009 Director's Intramural Innovation Award recipients taken during the Intramural Retreat on January 8th, 2009.

Article submitted by
Tim Chan, PhD

Upcoming Events

Another CCR FYI Social - NBA Basketball Game



VS



WHO: All CCR Fellows/Postdocs, Family and Friends

WHEN: Saturday, April 4th, 7 PM

WHERE: Verizon Center

601 F Street, NW Washington, DC 20004

HOW MUCH: \$20/ticket

Additional tickets are still available on a first-come first-serve basis

Questions? Contact Julie Torruellas Garcia, 301-846-1648, garciajul@mail.nih.gov

Apply for the **2010 FARE (Fellows Award for Research Excellence) AWARDS** for the chance to win a **\$1000** travel award.

Applications accepted from Feb. 23rd till March 24th 5pm EDT

For more information: <http://felcom.od.nih.gov/subcommittee/fare.aspx>

Email: FARE@mail.nih.gov

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