

CABTRAC 2011

Report on Breakout Session 3

“Training for Translational Research”

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Goal

Train graduate students and postdocs to contribute effectively to translational cancer research

How do we get there?

- DO translational research
- TEACH translational research
- MAKE OTHERS AWARE
 - Research opportunities & obstacles
 - Teamwork, cultural, managerial issues
- ADVOCATE for resources
 - Local and national activities

How can CABTRAC help?

- Use CABTRAC Retreat to discuss practices and challenges
- Use CABTRAC website as a repository for training materials for other institutions to adopt, adapt, emulate

Tools already on cabtrac.org: Train-the-Trainer Toolbox, Tool 1

The screenshot shows a web browser window displaying the CABTRAC website. The browser's address bar shows the URL <http://www.cancerbiologytraining.org/train-the-trainer->. The website header features the CABTRAC logo and the text "Cancer Biology Training Consortium". Below the header is a search bar with the text "search..." and a "Search" button. A large banner image displays a grid of various scientific and laboratory-related images. On the left side, there is a "Main Menu" with several navigation links. The main content area is titled "Train the Trainer Tools" and includes a welcome message and a list of tools. One tool, "TOOL 1", is highlighted with a black box.

Train the Trainer Tools

http://www.cancerbiologytraining.org/train-the-trainer- Reader Google

Gmail UNC SOM email Blackboard E-Journal Finder-UNC-CH University o...ries - Home PubMed Home NY Times LA Times BBC News TIM logon

CABTRAC Cancer Biology Training Consortium

search... Search

Home ▶ Train the Trainer Toolbox

Train the Trainer Tools

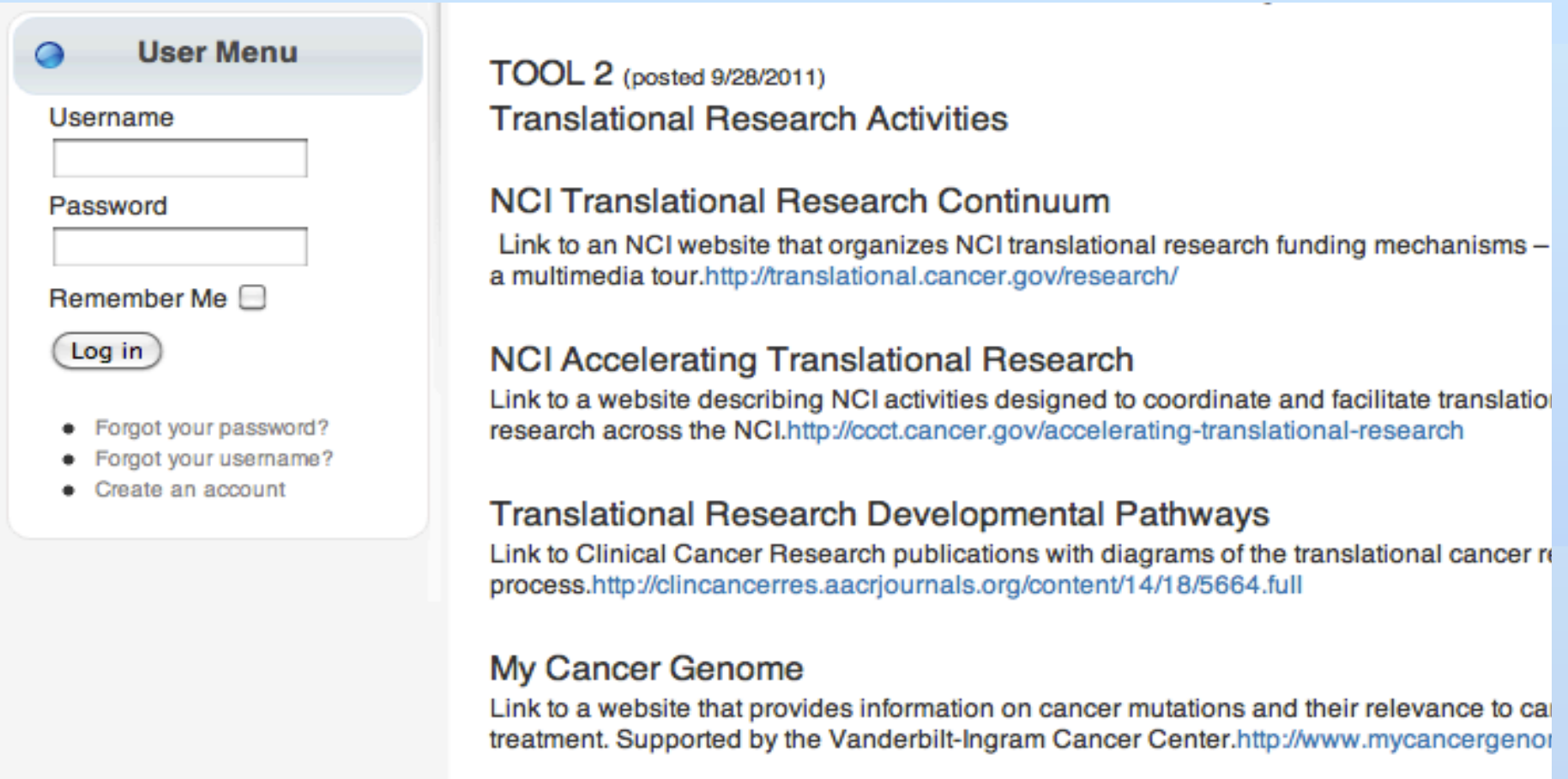
Welcome to CABTRAC's Train the Trainer Toolbox!
Key tools for pre doc and post doc training will be posted here as available.

TOOL 1 (posted 10/1/2010)
Career Development Symposium Planning
Career Development - Online Resources for Administrators
Link to the **Career Symposium Planning Guide** courtesy of Vanderbilt University School of Medicine's Office of Biomedical Research Education and Training

Main Menu

- » Home
- » About CABTRAC
- » Member Institutions
- » Join CABTRAC
- » Meetings and Events
- » **Train the Trainer Toolbox**
- » Forum (Beta)

New tools on cabtrac.org: Train-the-Trainer Toolbox, Tool 2



User Menu

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TOOL 2 (posted 9/28/2011)
Translational Research Activities

NCI Translational Research Continuum
Link to an NCI website that organizes NCI translational research funding mechanisms – a multimedia tour.<http://translational.cancer.gov/research/>

NCI Accelerating Translational Research
Link to a website describing NCI activities designed to coordinate and facilitate translational research across the NCI.<http://ccct.cancer.gov/accelerating-translational-research>

Translational Research Developmental Pathways
Link to Clinical Cancer Research publications with diagrams of the translational cancer research process.<http://clincancerres.aacrjournals.org/content/14/18/5664.full>

My Cancer Genome
Link to a website that provides information on cancer mutations and their relevance to cancer treatment. Supported by the Vanderbilt-Ingram Cancer Center.<http://www.mycancergenome.org>

Can access tools without logging in – resources for non-CABTRAC as well

Tool 2, part 1 of 4

The screenshot shows a web browser window with the URL <http://translational.cancer.gov/research/>. The page header includes the National Cancer Institute logo and the text "National Cancer Institute" and "U.S. National Institutes of Health | www.cancer.gov". The main heading is "Translational Cancer Research CONTINUUM" with "CONTINUUM" in large, colorful letters. Below this is a navigation bar with categories: "CAUSES, PREVENTION & CONTROL", "Advanced Technologies", "Bioinformatics", "Public/Private Partnerships", "Clinical Trials", and "Drug Development". A "Translational Research at NCI" button is also present. A large banner image shows the text "Translational Research at NCI" over a molecular structure background. The main content area features a circular image of a scientist and a molecular model, followed by a paragraph describing translational research. Below this is a section titled "Initiatives:" with two bullet points: "NCI Cancer Centers" and "Translational Research Program". At the bottom, there are buttons for "View Multimedia Tour" and "View Accessible Version".

Translational Cancer Research **C O N T I N U U M** Home | Contact Us

CAUSES, PREVENTION & CONTROL ▶

Advanced Technologies Bioinformatics Public/Private Partnerships Clinical Trials Drug Development Translational Research at NCI

Click here to place the Translational Research widget on your site Share | Facebook Twitter

Translational Research at NCI

Translational research transforms cancer research discoveries made in the laboratory, clinic and through population studies into new drugs, medical devices and behavioral interventions that bring new hope to people living with cancer or those at risk for cancer. NCI is committed to speeding the translational research process in order that promising new cancer discoveries can be translated into new interventions for patients faster. Achieving this goal relies on strong translational research collaborations between basic and clinical scientists to facilitate the advancement of innovative concepts and approaches. NCI fosters translational research through advanced technologies, drug development, clinical trials, public-private partnerships, bioinformatics, and support of investigations into cancer's causes, prevention, and control. The links below will lead you to NCI's broad translational research initiatives.

Initiatives:

- NCI Cancer Centers
Supports 65 NCI-designated cancer centers nationwide that are actively engaged in transdisciplinary research to reduce cancer incidence, morbidity and mortality
- Translational Research Program
Integrates scientific advancements in the understanding of the biology of human cancer with the development of new interventions for the prevention, diagnosis and treatment of cancer

[View Multimedia Tour](#) [View Accessible Version](#)

Practices

Training programs, opportunities

- VICC annual translational symposia run entirely by postdocs
- MD Anderson 3 yr translational postdoc
- HHMI Med-into-Grad training program
- Networking – use of postdoc associations

Post links to these and other programs and resources (e.g., ASCO, etc.) on cabtrac.org

Challenges

- Career days: necessary but not sufficient
- Lack of awareness of issues and opportunities
- Need for networking and information
 - communication with internal postdoc associations
- Lack of “soft” (MBA-like?) skills
 - managerial, logistical, teamwork issues
- Need for institutional (vs. individual PI) support
- Need for industrial involvement in design and support
 - principles, priorities, practices, managing partnerships

Please share your own tools!

Examples:

- coursework with translational components
 - UNC-CH – student teams develop “drugs”
 - VAIGS – student teams write SBIR
- non-coursework activities
 - UAB – student-industry alliance
 - UVA – 15’ student talks to tumor board

How do we post to cabtrac.org?

- send to Sheridan
- include a brief explanation of how the item should be linked/described on the site

Identifying and promoting core competencies in translational research

- Prototype: Van Andel Institute Graduate School (VAIGS)
- Statement on core areas:
 - Knowledge
 - scientific AND managerial skills
 - Research
 - Translation / innovation
 - Ethics & professional standards
- Post VAIGS statement, rubric and assessment tools on cabtrac.org *as a blog?* Invite comments, additions, improvements and variations

VAIGS assessment tool

Assessment criteria

Competency criteria

TRANSLATION / INNOVATION	Exceptional	Heightened	Advancing	Intermediate	Beginning
Capability to seek and establish connections with clinical context / partners	Astute observation of clinical findings and needs heightens experimental approach.	Possible clinical impact drives hypothesis generation and investigation.	Clinical context is accurately explained and forms a strong project basis.	Clinical insights are sought out independently from various sources.	Clinical context is recognized in the project.
Work collegially and effectively as a team / community member	Coordination of collaborative efforts is managed effectively with professionalism and openness.	Co-ownership of joint projects is welcomed and individual contributions appreciated.	Student values each team member's KSAs, including each in team discussions.	Collaboration with team members is frequent and positive.	Team members are identified, particularly strengths of each.
Communicate science effectively to varied audiences (scientists, clinicians, lay)	Elegant communication invites enthusiasm and inquiry while fostering constructive dialog.	Significance presented in a compelling fashion with gracious responses to questions	Level of presentation is appropriate for the audience.	Varied levels of presentation are evident.	Presentations are accurate and well organized.
Communication: Oral, written, graphic presentation	Cohesive organization and visual presentation is superb .	Language and visual content convey results in a comprehensive way and invite discussion.	Language carries clear imagery and completeness.	Language is concise and descriptive.	English language rules are followed.

Proposal: next CABTRAC white paper?

Need volunteers for a committee:

- define CABTRAC version of core competencies
 - what should these include?
 - how to teach them?
 - how to assess them?
- help write the paper

Proposal: CTSA - topic for future breakout?

- Share examples of successful (best?) practices from CTSA programs
- Cancer centers vs. CTSA:
 - competition vs collaboration
- Bring CTSA gurus to do workshop at future CABTRAC retreat?