



CareerTrac

Trainee Tracking System for the Superfund Research Program

CareerTrac Goals

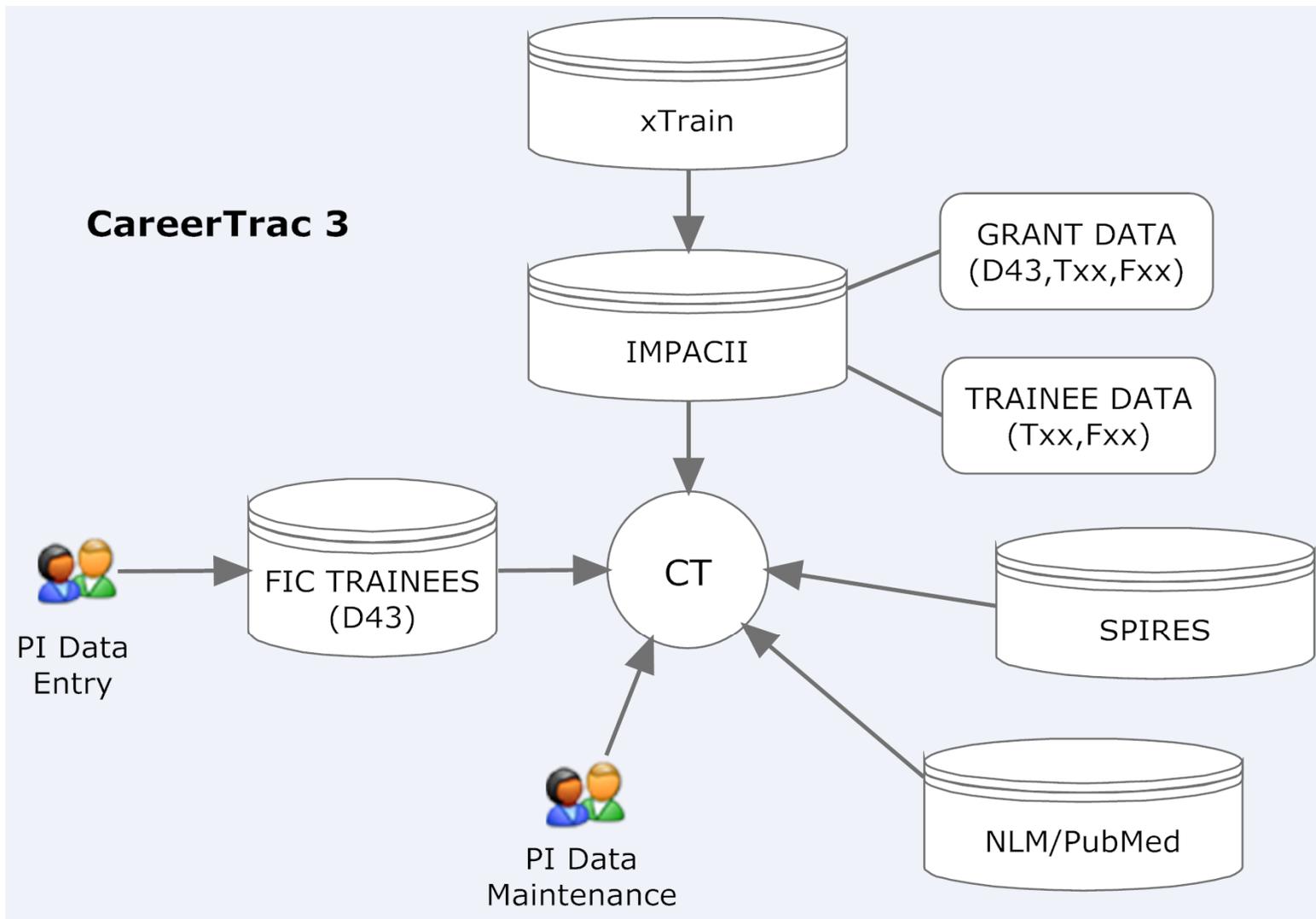
- Provide a structured database that tells us (NIEHS and Grantees):
 - What have Trainees accomplished based on the training received?
- Improve Access to Existing Data
 - Web-based access
 - Institutional training grant (T32) directors must track trainees for 10+ years after trainees have completed the program. *.pdf data not searchable.
- Automate trainee tracking for PIs
 - Structured, searchable, database that retains information from year to year
- Automate key information for reports



Key CareerTrac Principles

- Role Based Access
 - PI only sees trainees in their program
 - Program Officers can see everything (QVR/eSPA model)
- Minimize work for PIs & provide incentives for use
- Wherever possible, extract data from existing sources
 - IMPAC II (X-Train); PubMed/SPIRES; etc.
- Do not duplicate existing resources
- Retain trainee information beyond the life of the grant
- Balance flexibility with structured data

CareerTrac Data Sources



History of Career Trac

- **2003 – 2008** Fogarty International Center developed and used system
- **2008** – NIEHS began modifying FIC’s CareerTrac for its own use with institutional and individual trainees
- **2011** – NIEHS deployed an initial system that included two training mechanisms: the NRSA Institutional Research Training Grants (T32) and Individual Postdoctoral Fellowships (F32)
- **2011-2012** – Developed the Superfund “tenant” in Careertrac. Imported 1400+ trainees
- **Current activities** –
 - Testing the system; Rolling out to T32 Program,
 - Rolling out to Superfund
 - Working with Intramural Division at NIEHS
 - Considering Pilot Projects with other Institutes and Centers

Superfund Tenant

- NIEHS, MDB and Open Intelligence have collaborated to import over 1400 trainees into CareerTrac
- New IDs have been created for PIs and PI Administrators
- PIs and PIAs can now ADD TRAINEES directly in the system (using the add trainee) button
- Please add information!
 - Yellow fields = “required”
 - Key section: “In-Training Experience”
 - Key section: “Accomplishments”
- No direct trainee access (*yet?*)





Trainees

Search

Admin

Help

SRP Trainee List

Logged in as

[Change Password](#) | [Logout](#)

[+ Create Training Experience](#)

Last Name: Training Start Date: Before PCC:
 Grant: ES Training End Date: Before CT Status: Active
 PI: Training Status:

Search

Reset

Name (Last, First)	Grant Number	Start Date	End Date	Status	PCC	PI Name (Last, First)
	P42ES017198					ALSHAWABKEH, AKRAM
	P42ES007380					HENNIG, BERNHARD
	P42ES010349					GRAZIANO, JOSEPH
	P42ES004699					HAMMOCK, BRUCE
	P42ES010356					DI GIULIO, RICHARD
	P42ES013660					BOEKELHEIDE, KIM
	R01ES017052					REGUERA, GEMMA
	P42ES013660					BOEKELHEIDE, KIM
	P42ES010349					GRAZIANO, JOSEPH
	P42ES004705					SMITH, MARTYN



Trainees

Search

Admin

Help

Grant: P42ES004699
PI: BRUCE HAMMOCK

PCC: [Redacted]
Training Status: In-Training

Logged in as [Redacted]
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- Personal Info
- Contact Info
- Pre-Training Info
- In-Training Experience**
- Accomplishments
- Comments
- CareerTrac Status

Profile completeness:

45%

[Back to Trainees](#)

In-Training Info

Date Entered Graduate School or Post Doctoral Appointment

Month... Year...

Date Completed Graduate School or Post-Doctoral Appointment

Month... Year...

Trainee's Research Project Title

Date Training Began

Month... Year...

Date Training Ended

Month... Year...

Degree Level

Select a degree level...

NIH Field of Training

Select a field of training...

Training Director

Subproject ID

Honors

- KC Donnelly Award
- SRP Annual Meeting Poster Winner
- SRP Annual Meeting Speaker
- Wetterhahn Award

Subproject Title

New Accomplishments Pop-Up

Please enter the trainee's accomplishments that can be attributed to NIEHS training.

Choose Accomplishment Type ✕

- Career Highlights/Leadership
- Employment
- Fellowship
- Honors/Awards
- Post-Training Education
- Post-Training New Competitive Funding Involving Former Trainees
- Posters at Scientific Meetings
- Product or Policy Development
- Publications
- Students

M

Staff Dire

Version 3.0.6.1



Employment Pop-Up

Employment [X]

Training status when accomplished
Select a training status... [v]

Job Title
[]

Country of Employment [Select a country... v] **Region** n/a

Employer
Select a country first... [v]

Employment Sector
Select a sector... [v]

Employment Year Began [Select the start year... v] **Employment Year End** [Select the end year... v]

What is the major emphasis of this position?

- {Other}
- Administration
- Policy
- Research
- Teaching

If research, please pick field
Select a research area... [v]

[Save] [Cancel]



Trainees

Search

Admin

Help

Logged in as [REDACTED]
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Search Types

- ▼ Custom Queries
- General Filter
- Pre-Training
- In-Training Info
- In-Training Education
- Post-Training
- Career Highlight
- Employment
- Fellowship
- Honors/Awards
- Post-Training Education
- Post-Training New
Competitive Funding
Involving Former Trainees
- Posters at Scientific
Meetings
- Product or Policy
Development
- Publications
- Students
- ▶ System Reports

Search Filters: General

IC Tenant:

Grant Number:

Principal Investigator:

Training Status:
 Pre-Training
 In-Training
 Post-Training

Program Class Code:

Trainee's First Name:

Trainee's Last Name:

Gender:
 Male
 Female
 Choose not to specify

Country of Origin:

In-Training Education Institution:

Search Criteria

Result Column Sets

- General
- Pre-Training
- In-Training Info
- In-Training Education
- Post-Training Info
- Career Highlight

AVES



Trainees

Search

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Search Types

▼ Custom Queries

General Filter

Pre-Training

In-Training Info

In-Training Education

Post-Training

Career Highlight

Employment

Fellowship

Honors/Awards

Post-Training Educa

Post-Training New

Competitive Fundin

Involving Former Trainees

Posters at Scientific
Meetings

Product or Policy
Development

Publications

Students

► System Reports

Search Filters: General

IC Tenant:

FIC

NCI

NIEHS

Superfund

Grant Number:

T32

Principal Investigator:

ABDOOL KARIM, QUARRAISHA

ABDOOL KARIM, SALIM

ABRAMS, STEVEN

ACEVES-VELASCO, CARMEN

ADAIR, LINDA

ADAMS-CAMPBELL, LUCILE

ADEBAMOWO, CLEMENT

ADIMORA, ADAORA

Pre-Training

In-Training

Post-Training

001

002

004

005

012

013

014

015

Trainee's First Name:

Trainee's Last Name:

Gender:

Male

1. Custom Queries allow user to build a search from any field in the database

Search Criteria

Search Filters: General ✖

Grant Number:

T32

Result Column Sets

General

Pre-Training

In-Training Info

In-Training Education

Post-Training Info

Career Highlight



Trainees

Search

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Search Types

▼ Custom Queries

General Filter

Pre-Training

In-Training Info

In-Training Education

Post-Train

Career Hi

Employe

Fellowsh

Honors/A

Post-Train

Post-Train

Competi

Involving

Posters a

Meetings

Product or Policy

Development

Publications

Students

► System Reports

Search Filters: Publications

Title of the Article

Article's first Author

Article's last Author

Article's other Authors

Journal Publication Year

Select...

2012

2011

2010

2009

2008

2007

2006

2005

2004

Local

International

AFGHANISTAN

ALBANIA

ALGERIA

ANDORRA

ANGOLA

ANGUILLA

ANTARCTICA

ANTIGUA/BARBUD

ARGENTINA

ARMENIA

ARUBA

ASHMOR/CARTIER

Search Criteria

Search Filters: General ✖

Grant Number:

T32

Search Filters: Publications ✖

Journal Publication Year

2010

2. Search filters change as select different areas

Most fields have type-ahead and multi select features built in

3. Search criteria build here as they are selected

4. Column sets are chosen for display

Result Column Sets

General

Pre-Training

In-Training Info

In-Training Education

Post-Training Info

Career Highlight

Search Criteria

General	Pre-Training	In-Training Info	In-Training Education	Post-Training	Accomplishments
IC Tenant: NIEHS Grant: T32					Publication - Publication Year: 2010

Search Results

31 results found.

General	Publications
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[Export Report](#)

[Save Report](#)

- Lists Search Parameters
- Exports to Excel

IC Tenant	Name (Last, First)	Grant Number	PCC	PI Name (Last, First)	Article Title	Article First Author	Article Last Author	Article Other Authors	Journal Publication Year	Local/International Readership	Res Cou
NIEHS		T32ES007017		KAUFMAN, DAVID	Influence of cellular and plasma procoagulant activity on the fibrin network. Thrombosis Res	A S Wolberg	M M Aleman		2010		
Flow profoundly influences fibrin network structure: Implications for fibrin formation and clot stability					R A Campbell	A S Wolberg	M M Aleman, L D Gray, M R Falvo	2010			
Procoagulant microparticles support thrombin generation and modulate fibrin formation					M M Aleman	A S Wolberg	S Gover, R Kasthuri	2010			
NIEHS		T32ES007254		AMEREDES, BILL	Conserved estrogen binding and signaling functions of the	P Thomas	R Alyea		2010		

CareerTrac is available at:

<https://careertrac.niehs.nih.gov>



Thanks!

Primary Contacts:

Christie Drew
drewc@niehs.nih.gov
919-699-9808

Helena Davis
davishl@niehs.nih.gov
919.316.4813

F.O. Finch
fofinch@openintelligence.com
919-828-5530



SUPERFUND RESEARCH PROGRAM LOUISIANA STATE UNIVERSITY

Training Core

Dr. Robin L. McCarley
Training Core Leader
tunnel@lsu.edu

Dr. Elisabeta Mitran
Training Core Coordinator
emitra1@lsu.edu

NIEHS SRP P42 ES013648-03



Louisiana State University Superfund Research Program

Interdisciplinary research team who try to understand how:

- Redox-active transition metals and organic pollutants associated with particulate matter (PM) react to form **Environmentally Persistent Free Radicals (EPFRs)**
- **EPFRs** initiate oxidative stress resulting in cardiac and pulmonary dysfunction
- PM-associated **EPFRs** mediate formation of other pollutant such as polychlorinated dibenzo-*p*-dioxins and dibenzofurans (PCDD/Fs)

Training Core Goals

- Provide an infrastructure and environment that promotes the development of post-doctoral and graduate students in the highly interdisciplinary field of health effects engineering science
- Recruit and multidisciplinary educate graduate and postdoctoral students

Training Core

Training Core Elements

Infrastructure and support to ensure a quality environment for the training of postdoctoral and graduate students

Recruitment of a diverse group of high-quality graduate and postdoctoral trainees

Providing interdisciplinary training environment

Integrating our trainees into environmental workforce

Recruitment Activities

- ▶ Webpage: www.srp.lsu.edu
- ▶ Recruiting presentation for new graduate students at faculty research and alumni student seminar, Fall 2011
- ▶ Off campus recruiting seminars
- ▶ Targeted correspondence with departments for schools in Louisiana, Alabama, and Texas
- ▶ Recruitment brochures and posters



SUPERFUND RESEARCH PROGRAM
LOUISIANA STATE UNIVERSITY
www.srp.lsu.edu

LSU Superfund Research Program is an interdisciplinary environmental program and brings together researchers from the basic and biomedical sciences tackling a broad group of interconnected issues.

Why Choose the LSU Superfund Research Program?

Almost 2000 other scientists are used in this program and the most recent grant supports the research in which we offer, and to be considered as part of a more comprehensive, multi-disciplinary environmental team offering exciting the U.S. and the world!

Newer Benefits
Research in environmental and its associated in measurement and its application to the Superfund Research Program.

LSU Superfund Research Program

ADMISSION
If you want to understand the relationship between the origin, mechanisms of formation, nature of emission, biological availability, and biological activity of toxic combustion by-products, join us.

For admission information contact:
Robin L. McCarley
Training Core Leader
LSU Health Sciences Center
Tel: (225) 578-3239

For more information about the LSU Superfund Research Program visit our website: www.srp.lsu.edu

or contact us:
Barry Dellinger
Program Director
LSU Health Sciences Center
Tel: (225) 578-6759

SUPERFUND RESEARCH PROGRAM - LOUISIANA STATE UNIVERSITY
338 CHOPPIN HALL - BATON ROUGE, LA 70803-1904



SUPERFUND RESEARCH PROGRAM
LOUISIANA STATE UNIVERSITY
www.srp.lsu.edu

Recruiting Graduate Students
Fall 2012

LSU Superfund Research Program is an interdisciplinary environmental program and brings together researchers from the basic and biomedical sciences tackling a broad group of interconnected issues.

Big Research Team

- Louisiana State University
- LSU Health Sciences Center in New Orleans
- LSU Health Sciences Center in Shreveport

Admission

Students can enter the program through:

- Louisiana State University
- LSU Health Sciences Center in New Orleans
- LSU Health Sciences Center in Shreveport

Research focus

- Formation and stabilization of Environmentally Persistent Free Radicals and Pollutant-particle Systems; and
- Their impacts on respiratory and cardiac health.

Benefits for Students

- Opportunity to work on a new paradigm for the impact of particulates on human health
- Environment that fosters interdisciplinary training and educational opportunities
- PhD fellowships available
- Exposure to and training with cutting-edge physical and analytical science methods and instrumentation
- Opportunity to network with peers by participating at seminars, meetings and conferences

More Information

Visit our website: www.srp.lsu.edu

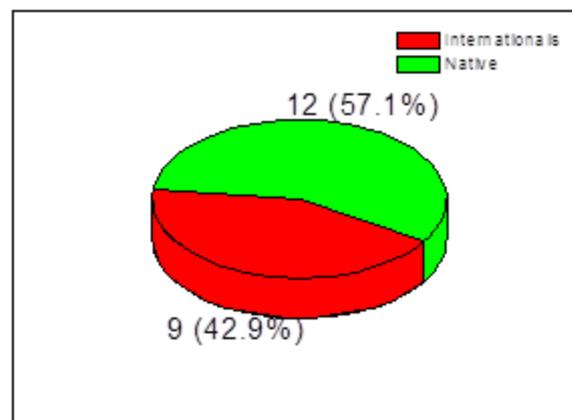
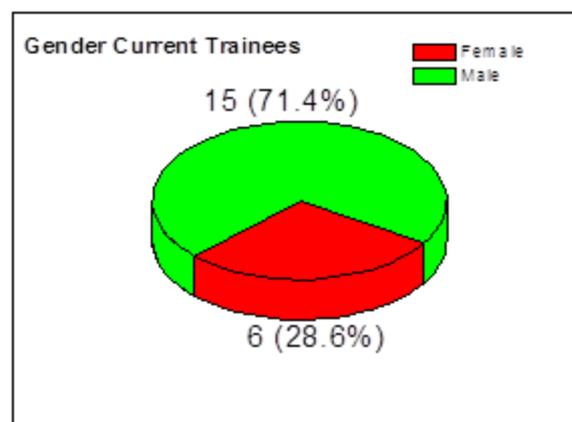
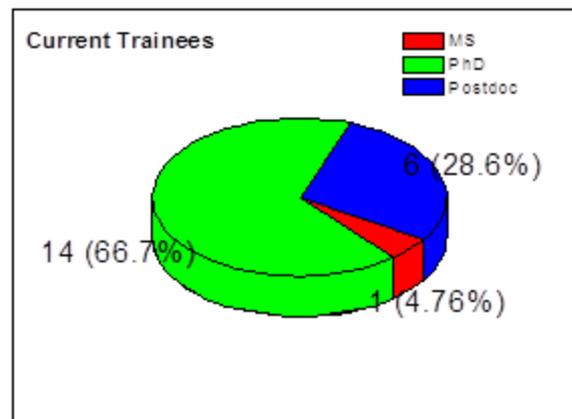
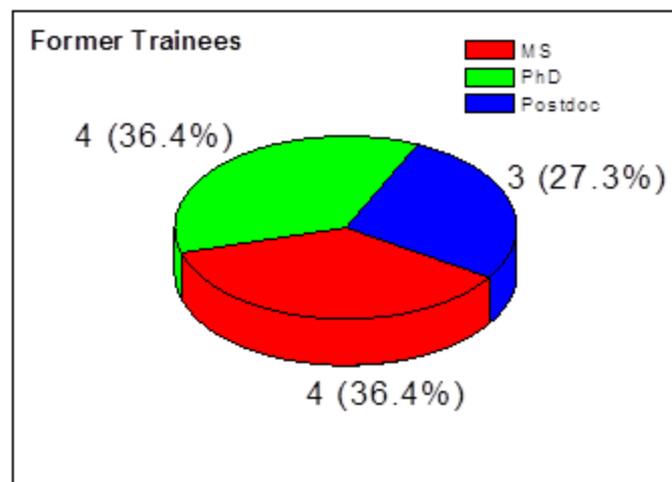
Contact:
Robin L. McCarley, Training Core Leader
rlmcc@lsu.edu; Tel: (225) 578-3239

Barry Dellinger, Program Director
bdell@lsu.edu; Tel: (225) 578-6759

SUPERFUND RESEARCH PROGRAM
LOUISIANA STATE UNIVERSITY
338 CHOPPIN HALL - BATON ROUGE, LA 70803-1904

LSU SRP Trainees

- ▶ Interdisciplinary team
 - Chemistry
 - Pharmacology
 - Environmental
 - Political Science
- ▶ Current trainees: 21



Interdisciplinary Training

- ▶ Seminar program that operates on bi-monthly basis
- ▶ Mini-grant system
- ▶ Increase postdoctoral and graduate student team-playing by working together on collaborative projects
- ▶ Lab “Inreach” at different campuses (Future rotations)
- ▶ Graduate course in the Spring semester 2012 “*How to improve your writing skills*” taught by Dr. Barry Dellinger
- ▶ Training seminar with the topic “*Preparing and delivering a successful oral presentation*”
- ▶ Future ethics training (biomedical and physical sciences)



Interdisciplinary Training (Communication)

Future 2012 activities:

- ▶ Sally Ride Science Festival for Girls, September 22, 2012, Baton Rouge
- ▶ Two Symposium sessions at 68th American Chemical Society Southwest Regional Meeting (SWRM), November 6, 2012 in Baton Rouge with the topic *“Environmental Health: Intersection of Chemistry and Biology”*

Integrating our Trainees into the Environmental Workforce

- ▶ Provide opportunities to interface with industrial and academic contacts during our departmental seminar series
- ▶ Provide support for our trainees to attend relevant scientific meetings

Integrating our Trainees into the Environmental Workforce

Planned upcoming activities:

- ▶ Environmental Research Open House at LSU
 - Opportunities for trainees to interface with industrial and academic contacts
 - Invited industrial contacts will get a first-hand look at the interdisciplinary work our postdoctoral and graduate students are carrying out
 - Offer advice to our trainees on employment possibilities

- ▶ Workshop on “Career Counseling and Mentoring”
 - Resume writing
 - How to prepare for an interview
 - Campus vs. industrial interview

Summary



The **LSU Training Core** focuses on:

- ▶ Recruiting high-quality graduate students and postdoctoral researchers
- ▶ Interdisciplinary training and educational opportunities, through participation in core courses, laboratory rotation program, mini-grants, seminars, specialty conferences and meetings
- ▶ Career placement of graduate and postdoctoral students