

Project Information

5T32GM083831-05

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Project Number: 5T32GM083831-05 Contact PI / Project Leader:
 Title: GENETICS TRAINING PROGRAM Awardee Organization:

Abstract Text:

DESCRIPTION (provided by applicant): The Genetics Training Program (GTP) at the University of Texas Southwestern Medical Center will train exceptional genetic scientists in the 'post genomic age'. Transformative discoveries in this field will come from scientists who have an intimate knowledge of problems in human genetic research. The program's central goal is to train scientists who are human geneticists and scientists focused on genetic models. GTP faculty members employ a wide range of genetic methodologies in human health, physiology and disease. For example, in the past three decades, mutations causing 25 human genetic diseases have been discovered by GTP scientists, many of whom are participating faculty members. Scientific opportunities in the GTP ranging from mechanistic analyses of diverse model systems to studies of genetic variation in human populations will offer uniquely exceptional prospects for training. Trainees will gain state-of-the-art expertise in experimental genetic principles and benefit from intimate exposure to how these principles are applied in clinical and public health arenas (e.g., The Dallas Heart Study). Students will receive rigorous formal training in basic genetics, quantitative analyses and medical genetics. Additionally, they will have guided interactions with established, world class role models and benefit from enrichment activities inside and outside of the institution. Students will join the GTP in the spring of their first year and remain as trainees for three years. Trainee selection is competitive. The program steering committee will select trainees based on prior credentials, current performance and commitment of the student and mentor to pursue training consistent with research goals of the program. We are requesting 3 positions in the first year, a total of 6 positions in the second, and a total of 9 positions for each subsequent year of this 5-year period. Relevance: Explosive growth of genetic knowledge now impacts almost every dimension of health care delivery. By leveraging interactions between geneticists focused on etiology of human disease and those working on model systems, this unique training program equips students with the sophisticated skill sets needed among scientific leaders in biomedical research.

Project Terms:

Genetic; Training Programs

“Description” Tab:

- Abstract for project
- Public health relevancy statement

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Project Number: 5T32GM083831-05 Contact PI / Project Leader: [A...](#)
 Title: GENETICS TRAINING PROGRAM Awardee Organization: UT

Contact PI / Project Leader Information: **Program Official Information:** **Other PI Information:**

Name: [ABRAMS, JOHN MICHAEL](#) Name: CARTER, ANTHONY D. Not Applicable
 Email: [Click to view Contact PI / Project Leader email address](#) Email: [Click to view PO email address](#)

Title: PROFESSOR

Organization: **Department/ Organization Type:**

Name: UT SOUTHWESTERN MEDICAL CENTER ANATOMY/CELL BIOLOGY
 City: DALLAS Country: UNITED STATES (US) SCHOOLS OF MEDICINE

Other Information:

FOA: [PA-06-468](#) DUNS Number: 800771545
 Study Section: National Institute of General Medical Sciences Initial Review Group (BRT) Project Start Date: 1-JUL-2013
 Fiscal Year: 2013 Award Notice Date: 27-JUN-2013 Budget Start Date: 1-JUL-2013

Administering Institutes or Centers:

NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES

“Details” Tab:

- PI's contact information
- Institution
- Link to funding announcement
- Funding agency
- Program official
- Award amount
- PI's profile can be linked to personal or laboratory web sites

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Project Number: 5T32GM083831-05 Contact PI / Project Leader:
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ABOUT RePORTER RESULTS

Publications: [Publications missing?](#) [Principal Investigators click here](#)
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= PubMed = PubMed

Title (Link to full-text in PubMed Central)	Journal (Link to PubMed abstract)	Authors	
Screening and familial characterization of copy-number variations in NR5A1 in 46,XY disorders of sex development and premature ovarian failure.	American journal of medical genetics. Part A. 2013 Aug 5.	Harrison, Steven M; Campbell, Ian M; Keays, Melise; Granberg, Candace F; Villanueva, Carlos; Tannin, Grace; Zinn, Andrew R; Castrillon, Diego H; Shaw, Chad A; Stankiewicz, Pawel; Baker, Linda A	
Mei-p26 cooperates with Bam, Bgcn and Sxl to promote early germline development in the Drosophila ovary.	PloS one. 2013; 8 (3): e58301	Li, Yun; Zhang, Qiao; Carreira-Rosario, Arnaldo; Maines, Jean Z; McKearin, Dennis M; Buszczak, Michael	
Genetically-defined metabolic reprogramming in cancer.	Trends in endocrinology and metabolism: TEM. 2012 Nov; 23 (11): 552-9	Mullen, Andrew R; DeBerardinis, Ralph J	

“Results” Tab:

- Publications published on project research
- Patents from project research