

2014 Research Annual Report

Center for Career Development in Academic Pediatrics



Center Summary

RESEARCH AND TRAINING DETAILS

Number of Faculty	5
Number of Research Students	172
Number of Support Personnel	1
Direct Annual Grant Support	\$2,500,000

CLINICAL ACTIVITIES AND TRAINING

Center Photo



L to R: C Bachurski, K Yutzey, E Janssen, S Degen

Significant Accomplishments

Schmidlapp Scholars provide a 21-fold ROI

Since the start of the Schmidlapp Women Scholars Program in 1997, 17 of the Scholars have been promoted, with five being promoted to professor and five awarded tenure. The Scholars have published 598 papers since becoming a Scholar and have received extramural grants totaling approximately \$35 million in direct costs. This is a 21-fold return on investment, indicating the success of this program.

Schmidlapp Young Women Fellows Program

This year we received a new gift from the Charlotte R. Schmidlapp Fund of \$500,000 to set up an endowment to support promising young women in our Summer Undergraduate Research Program (SURF). Female students hoping to break into this male-dominated field often need a little more support and inspiration beyond the personal training and real-life experience the SURF program offers. We hope to offer an extra incentive for the top women selected as Schmidlapp Fellows, pairing them up with our female researchers (including Schmidlapp Scholars) who can offer them personal guidance and the perspective of what it is like to be a female researcher in a male-dominated profession. Our hope is that some of these relationships may grow beyond the course of the summer, allowing an opportunity for strong mentor relationships that could greatly influence the life course of these young women.

Undergraduate Support

Over the past several years faculty and parents of undergraduates supported by the Center have donated more than \$106,000 to support our future women researchers and clinicians, with 37 donors contributing more than

\$16,000 this fiscal year.

Research Highlights

Sandra J. Degen, PhD

Associate Chair for Academic Affairs and Professor of Pediatrics

The goals of the Center for Development of Careers in Child Health are to enhance career development of our faculty and trainees coming from a broad range of backgrounds and ultimately to become a national model for career development in academic medicine.

The Center for Development of Careers in Child Health started in 1998, when Cincinnati Children's Hospital received a generous grant of \$500,000 from the Charlotte R. Schmidlapp Trust. These funds were used to develop a Women Scholars Program to promote academic advancement of women faculty. Following the success of the Scholars Program, with additional support of \$1.5 M from the Charlotte R. Schmidlapp Trust, programs were started to support our pipeline of student talent (high school student and undergraduate research programs), our postdoctoral trainees (Office of Postdoctoral Affairs), faculty development, career development and faculty recognition. These programs are highlighted below.

Programs

Schmidlapp Women Scholars Program

Sandra Degen, PhD

Program Director

Professor of Pediatrics

Research Administration, Career Development

Support for the Woman Scholars Program comes from an endowment that was put in place in 2010 with a generous gift from the Charlotte R. Schmidlapp Foundation at Fifth Third Bank of \$2 million.

The Schmidlapp Women Scholars program provides grants of \$50,000 a year for up to two years to women faculty who have shown promise as leaders within the institution and are at a critical stage of their career. Scholars are selected each year by the Schmidlapp Committee, consisting of senior women faculty, including Drs. Maria Britto, Clare Chougnnet, Stella Davies, Peggy Hostetter, Heidi Kalkwarf, Uma Kotagal, Ardythe Morrow and Katherine Yutzey.

To date, 20 women have been selected as Schmidlapp Scholars. This program has successfully promoted career advancement not only of the awardees, but also of all of the applicants. The program has included individual mentorship to all applicants and feedback to their division directors and the chairman of the department. The program has helped create an attractive environment for recruitment of women faculty at all ranks, with the number of women faculty increasing from 58 (30%) in 1996 to 328 (44%) in 2014.

Since the start of the Schmidlapp Women Scholars Program, 17 of the Scholars have been promoted, with five being promoted to professor and five awarded tenure. The Scholars have published 598 papers since becoming a scholar and have received extramural grants totaling ~\$35M in direct costs. This is a return on investment of 21 fold, indicating the success of this program.

Our most recent Schmidlapp Scholar:

Jareen Meinzen-Derr, PhD

Associate Professor
Division of Epidemiology Biostatistics

Second year Scholar:

Edith Janssen, PhD

Associate Professor
Division of Immunobiology

Schmidlapp Young Women Fellows Program

Edith Janssen, PhD

Program Director
Associate Professor
Division of Immunobiology

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Programs for High School and Undergraduate Students

High School Programs

Cindy Bachurski, PhD Director

Associate Professor
Research Administration, Career Development

HIGH SCHOOL SCIENCE STUDENT SYMPOSIUM

Each spring all area high schools are invited to bring their best two science students and a teacher or counselor to participate in the one day Science Symposium at Cincinnati Children's. This past year, we had 162 participants from 54 area high schools. The students and their advisors attended concurrent workshops on careers in medicine, allied health, and science, and participated in hands-on activities throughout the medical center ranging from basic science labs to clinical experiences.

SUMMER HIGH SCHOOL INTERNSHIP PROGRAM

The Internship Program is a competitive program for high school seniors in Cincinnati. Seventeen students were selected from 111 applicants to work in clinical programs and participate in a weekly luncheon series. The following students were provided stipend support through the Center to work with the indicated mentor:

Gabrielle Brokamp	Walnut Hills High School	Mentor: Raouf Amin
Ashley Dundon	Archbishop McNicholas HS	Mentor: Richard Falcone Jr.
Mohamed Elzarka	Mason High School	Mentor: Mark Naugle
Alyssa Farley	Highlands High School	Mentor: Richard Falcone

John "Carter" Hall	Summit Country Day HS	Mentor: David Franz
Julianne Haney	Turpin High School	Mentor: Tom DeWitt
Akiva Kirschner	Fasman Yeshiva HS	Mentor: Elana Harris
Kelley Kraemer	Seton High School	Mentor: Manning-Courtney
John Lund	Mason High School	Mentor: Anjaparavanda Naren
Samantha Marshall	Princeton High School	Mentor: Douglas Rose
Brandon Pavilack	Reading High School	Mentor: Tom DeWitt
Aleandra Pendery	Highlands High School	Mentor: Melinda Butsch-Kovacic
Hanna Schlaack	Ursuline Academy	Mentor: Mary Staat
Derek Shu	Mason High School	Mentor: Nathan Timm
Troy Sterling	Simon Kenton High School	Mentor: Nathan Timm
Surahabi Tewari	Lakota West High School	Mentor: Don Gilbert
Elizabeth Tyger	Ursuline Academy	Mentor: Rebecca Brown

BIOMEDICAL RESEARCH INTERNSHIP FOR MINORITY STUDENTS (BRIMS)

This program is open to high achieving graduating high school seniors and college freshmen from the Cincinnati tri-state area that belong to a minority group traditionally underrepresented in biomedical careers, including African American, Hispanic, Pacific Islander or American Indian. Students work full time for 9 weeks on a mentored research project, participate in a weekly luncheon series with minority faculty, and shadow in clinical areas to explore biomedical career options. The following students were provided stipend support through the Center to work with the indicated mentor:

T'yanna Abernathy	Gilbert A. Dater HS	Mentor: Josh Waxman
Anna Aguilar	St. Ursuline HS	Mentor: Sara Meyer
Julian Braxton	Cincinnati Country Day	Mentor: Charles Vorhees
Nathaniel (Trey) Lampley	Saint Xavier HS	Mentor: Julio Aliberti
Catherine Rojas	Mason High School	Mentor: Ron Waclaw
Naomi Titus	Riverview East HS	Mentor: Lionel Chow
Dana Thomas	Summit HS	Mentor: Lionel Chow

SUMMER UNDERGRADUATE RESEARCH PROGRAM

Sherry Thornton, PhD

Program Director
Associate Professor
Division of Rheumatology

Approximately 1,450 students applied to the Summer Undergraduate Research Program from throughout the United States. This program enabled 172 students to participate in basic and clinical research programs at Cincinnati Children's. An extensive scientific and social program is provided throughout the summer. The following students were provided stipend support through the Center to work with the indicated mentor:

Matilda Hagage	Amer. Col. of Prehospital Med.	Mentor: Elana Harris
Pearce Kieser	Seven Hills High School	Mentor: Kim Risma
Karis Kosar	College of Wooster	Mentor: Jorge Bezerra
Olivia Roe	University of Alabama	Mentor: Sander Vinks
Andrea Toth	Dayton University	Mentor: Steve Glasser

WISE (WOMEN IN SCIENCE & ENGINEERING) SUMMER PROGRAM

This program is run through the University of Cincinnati (UC) and supports women students at UC with an interest in pursuing careers in science and engineering. An extensive academic program is provided to these students throughout the summer. The Center for Career Development and the Center for Clinical and Translational Science Training (CCTST) provide support for the summer stipend of the following students:

Julie Chang	Mentor: Samantha Brugmann
Mosep Okonny	Mentor: Donita Bylski-Austrow
Alexis Wilsey	Mentor: Donna Jones

Office of Postdoctoral Affairs

Susanne Wells, PhD

Director

Professor

Division of Oncology

The Office of Postdoctoral Affairs provides oversight to over 200 postdoctoral fellows and research associates. Research presentations and career guidance are given at monthly meetings. This office also provides guidance on international and human resource issues.

Strauss Fellows

This is the first year that the Arnold W. Strauss Fellows Award was offered to junior postdoctoral fellows. The goal of this award is to provide research funds (\$10,000) for meritorious fellows to prepare for sustained research and extramural funding during and following the completion of their postdoctoral training. Successful candidates must have a strong commitment to research, a clear mentorship structure in place, and a distinct plan for their research proposal. All awardees must submit an extramural fellowship grant by the end of their appointment as a Strauss Fellow.

Fourteen applications were received for the Strauss Fellows award and three were selected by a review committee that included Dr. Strauss. The three Fellows are:

Yoshinobu Odaka, PhD	Division of Ophthalmology	Advisor: Rich
Fuli Xiang, PhD	Division of Molecular Cardiovascular Biology	Advisor: Kati
Changwen Zhang, PhD	Division of Gastroenterology,	Advisor: Chu

Career Development Programs

PROFESSIONAL DEVELOPMENT CONFERENCES

This year the Center for Career Development supported faculty to attend various professional development workshops. The American Association of Medical Colleges (AAMC) offers professional development conferences for junior and midcareer women and for minority faculty. These conferences provide mentoring and leadership guidance and have been viewed by past participants as valuable for their career.

This year's participants were:

Rebecca Brady, MD	Associate Professor	Division of Infectious Disease
Alison Divanovic, MD	Assistant Professor	Division of Cardiology
Donita Bylski-Austrow, PhD	Associate Professor	Division of Orthopedic Surgery
Beena Kamath-Rayne, MD	Assistant Professor	Division of Neonatology & Pulmonary Biology
Mary McMahan, MD	Professor	Division of Physical Medicine & Rehabilitation
Halima Moncrieffe, PhD	Instructor	Center for Autoimmune Genomics & Etiology
Leanne Tamm, PhD	Associate Professor	Behavioral Medicine and Clinical Psychology
Sara Williams, PhD	Assistant Professor	Behavioral Medicine and Clinical Psychology

NEGOTIATION WORKSHOP

A workshop was presented in two sessions to women faculty and women leaders at Cincinnati Children's led by Catherine Morrison, JD, an expert in negotiation strategies in academic medicine. Negotiation skills and case studies were presented to 80 women faculty in the first half of the day. A strategy session for 30 women leaders was then held to discuss how to promote women into leadership roles within the institution.

Annual Faculty Awards Program

The Third Annual Faculty Awards Program was held in February of this year to recognize the achievements of our faculty during the past year. Almost 100 nominations were received for the 13 awards. The awards and awardees were:

Clinical Care Achievement Award

Junior: David Hooper, MD (Nephrology)

Senior: Maria Britto, MD (Adolescent Medicine)

Educational Achievement Award

Junior: David Pruitt, MD (Physical Medicine Rehabilitation)

Senior: Don Gilbert, MD (Neurology)

Senior: Tim LeCras, PhD (Pulmonary Biology)

Entrepreneurial Achievement Award

Junior: Brad Dixon, MD (Nephrology)

Senior: John Pestian, PhD (Biomedical Informatics)

Mentoring Achievement Award

Junior: Tanya Kalin, MD, PhD (Pulmonary Biology)

Senior: Jorge Bezerra, MD (Gastroenterology)

Senior: Yi Zheng, PhD (Experimental Hematology)

Research Achievement Award

Junior: Dan Starczynowski, PhD (Experimental Hematology)

Senior: Katherine Yutzey, PhD (Molecular Cardiovascular Biology)

Service Advocacy

Junior: Andrew Beck, MD (General & Community Pediatrics)

Service Advocacy

Senior: Robert Frenck, MD (Infectious Diseases)

Senior: Rob Kahn, MD (General & Community Pediatrics)

Team Award

Interventional Radiology

Todd Abruzzo (Radiology)

Neil Johnson (Radiology)

Kamlesh Kukreja (Radiology)

Manish Patel (Radiology)

John Racadio (Radiology)

Fund Raising

This year we received \$500,000 from the Charlotte R. Schmidlapp Trust to set up an endowment to support the Schmidlapp Young Women Fellows Program. To date, this trust has awarded Cincinnati Children's with \$4.5M to support the Center for Career Development, the Schmidlapp Women Scholars Program and this new program to support young women undergraduates.

Over the past several years faculty and parents of undergraduates supported by the Center have donated over \$106,000 to support our future women researchers and clinicians, with 37 donors contributing over \$16,000 this fiscal year.

Faculty Members

Sandra J. Degen, PhD	Professor	Associate Chair for Academic Affairs
Cindy Bachurski, PhD	Associate Professor	Director, High School Programs
Sherry Thomton, PhD	Associate Professor	Director, Summer Undergraduate Program
Susanne Wells, PhD	Professor	Director, Office of Postdoctoral Affairs
Edith Janssen, PhD	Associate Professor	Director, Schmidlapp Young Women Fellow

Faculty, Staff, and Trainees

Faculty Members

Sandra J. Degen, PhD, Professor

Leadership Associate Chair for Academic Affairs

Jessica Kahn, MD, Professor

Leadership Assistant Chair for Faculty Development

Cindy Bachurski, PhD, Associate Professor

Leadership Director, High School Programs

Lorah Dorn, PhD, Professor

Leadership Director, Schmidlapp Women Scholars

Sherry Thornton, PhD, Assistant Professor

Leadership Director, Summer Undergraduate Program

Susanne Wells, PhD, Associate Professor

Leadership Director, Office of Postdoctoral Affairs