



## SimmonsCooper Cancer Institute at SIU

The SimmonsCooper Cancer Institute at SIU serves the people of central and southern Illinois by addressing their present and future cancer care needs through a comprehensive approach of education, research and patient services.

The Cancer Institute's charge includes working to upgrade the standard of cancer care in downstate Illinois communities. It is a community-based patient care, research, education and outreach program established to improve cancer care.

### Cancer Research Teams and Faculty, Southern Illinois University School of Medicine

*The research program for the Cancer Institute is focused on quickly translating laboratory research findings to state-of-the-art treatment and compassionate care of children and adults with cancer. Projects are directed along two major themes - early detection of cancer based on understanding molecular genetics and experimental therapeutics for cancer prevention and treatment. Currently, SIU faculty members in Springfield and Carbondale have received single and multi-year grants for cancer research that total more than \$10 million.*

**Blaine Bartholomew, Ph.D.**, associate professor of biochemistry and molecular biology, joined the SIU faculty in 1991. He completed a postdoctoral fellowship and earned his doctoral degree at University of California (1991, 1988). He earned his bachelor's at Brigham Young University (1982). His research focuses on cancer cell development.

**Kathleen Campbell, Ph.D.**, professor of otolaryngology and director of audiology, joined SIU in 1989. She earned her doctoral degree at the University of Iowa (1989), her masters at University of South Dakota (1977) and her bachelor's at Dakota State University (1973). Her research focuses on chemotherapy and the development of new drugs for cancer treatment and prevention.

**Dr. Deliang Cao, Ph.D.**, assistant professor of medical microbiology, immunology and cell biology, joined the SIU faculty in 2005. He earned his doctoral degree at the University of Hong Kong (1996), his master's at Harbin Medical University (1989) and his medical degree at Hengyang Medical College (1984), all in China. His research focuses on studying cancer at the molecular and cell level and how anti-cancer drugs might be more effective.

**Subhas Chakraarty, Ph.D.**, professor of medical microbiology, immunology and cell biology, joined the SIU faculty in June 2005. He is responsible for developing the cancer research team. He was a postgraduate research associate in cancer biology and pharmacology at Baylor (1980-84). He earned his doctorate in immunology at the University of Manitoba Medical School in Winnipeg (1980), his master's in microbiology and biochemistry at the University of North Dakota at UND Medical School in Grand Forks (1974) and his bachelor's degree in biology and psychology at UND (1973). His research focuses on the study of colon cancer. (1973).

**Michael Collard, Ph.D.**, associate professor of physiology, joined the SIU faculty in 1993. He held postdoctoral positions at the Vollum Institute of Advanced Biomedical Research (1987-89) and the University of Michigan (1989-91). He earned his doctorate at Washington State University (1987) and his bachelor's at the University of Utah (1981). His research focuses on accurate prostate cancer diagnosis.

**Jodi I. Huggenvik, Ph.D.**, associate professor of physiology, joined the SIU faculty in Carbondale in 1993. She earned her doctorate at Washington State University (1985). She held postdoctoral positions at the University of Washington (1985-87), Vollum Institute of Advanced Biomedical Research in Portland (1987-88) and University of Michigan (1988-91). Huggenvik earned her bachelor's degree at Winona State University (1979). She is studying tumor suppressor genes as tumor markers for prostate cancer diagnosis.

**Mary McAsey, Ph.D.**, assistant professor of obstetrics and gynecology and director of research for OB/GYN, joined SIU in 1988. She completed a two-year postdoctoral fellowship in reproductive endocrinology at the University of Tucson (1996). She earned her doctorate at the University of Arizona (1994) and her master's and bachelor's at the University of Wisconsin (1978, 1975). She is studying biologically based therapies to enhance the effectiveness of current treatments for cervical and ovarian cancers.

**Yin-Yuan Mo, Ph.D.**, assistant professor of medical microbiology, immunology and cell biology, joined the SIU faculty in 2004. He completed his postdoctoral fellowship in microbiology and earned his doctoral degree at Washington State University (1994, 1991). He earned his bachelor's at Zhejiang University in China (1982). His research focuses on understanding the basis of tumor drug resistance.

**Laura Murphy, Ph.D.**, associate professor of physiology, joined the SIU faculty in 1987. She earned her doctoral degree at Medical College of Georgia (1983) and her bachelor's at Florida State University (1977). Her research focuses on new ways of preventing and treating breast cancer.

**Dao-tai Nie, Ph.D.**, assistant professor of medical microbiology, immunology and cell biology, joined the SIU faculty in 2005. He earned his doctoral degree at the University of South Carolina in Columbia (1997) and his master's at the Institute of Genetics, Chinese Academy of Sciences in Beijing, China (1991). His research focuses on tumor growth and metastasis in bone, prostate and breast cancers.

**Sophia Ran, Ph.D.**, assistant professor of medical microbiology, immunology and cell biology, joined the SIU faculty in 2003. She completed postdoctoral fellowships at the Hospital for Sick Children in Toronto (1992) and at the University of Alabama (1991). She earned her doctoral degree at the Weizman Institute of Science (1989), her master's at Ben Gurion University (1983), and her bachelor's at Tel Aviv University, all in Israel (1981). She is studying why metastasis is the major cause of mortality from cancer.

**Kounosuke Watabe, Ph.D.**, professor of medical microbiology, immunology and cell biology, joined the SIU faculty in 1985. He completed a postdoctoral fellowship at the University of Arizona (1985). He earned his doctorate, master's and bachelor's degrees at Kyoto University in Japan (1981, 1978, 1976). His research focuses on molecular mechanism of tumor metastasis.

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