



THE
GRADUATE SCHOOL

**CHARLES A. CARMELLO DISTINGUISHED DISSERTATION AWARDS
SPRING 2020 AWARDS FOR 2019 DISSERTATIONS**

SOCIAL SCIENCES

Zafar Imran, Ph.D.

Department of Public Policy

Dissertation Title: *"Climate change and political contention - A mechanism-based framework"*

Dissertation Advisor: Research Professor Nancy Gallagher

HUMANITIES AND FINE ARTS

Jeffrey Griswald, Ph.D.

Department of English

Dissertation Title: *"THE POLITICAL ANIMAL: EARLY MODERN LITERATURE AND HUMAN EXCEPTIONALISM"*

Dissertation Advisor: Professor Amanda Bailey

MATHEMATICS, PHYSICAL SCIENCES, AND ENGINEERING

Christopher Eckberg, Ph.D.

Department of Physics

Dissertation Title: *"SUPERCONDUCTING ENHANCEMENT AND ELECTRONIC NEMATICITY IN SUBSTITUTED BaNi₂As₂"*

Dissertation Advisor: Professor Johnpierre Paglione

BIOLOGICAL AND LIFE SCIENCES

Alexander Sohr, Ph.D.

Department of Cell Biology and Molecular Genetics

Dissertation Title: *"The mechanisms and roles of post-translational processing of the Drosophila Fibroblast Growth Factor Branchless during development"*

Dissertation Advisor: Associate Professor Sougata Roy



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**CHARLES A. CARMELLO DISTINGUISHED DISSERTATION AWARDS
HIGHLY COMMENDED FOR 2019 DISSERTATIONS**

HUMANITIES AND FINE ARTS

Eleanor Chamberlain Stoltzfus, Ph.D.

Department of Art History

Dissertation Title: *"New Womanhood and the Bauhaus: The Avant-Garde Photography of Lucia Moholy"*

BIOLOGICAL AND LIFE SCIENCES

Da Yin, Ph.D.

Department of Cell Biology and Molecular Genetics

Dissertation Title: *"GENOMIC AND REPRODUCTIVE CONSEQUENCES OF SELF-FERTILITY IN CAENORHABDITIS NEMATODES"*

MATHEMATICS, PHYSICAL SCIENCES, AND ENGINEERING

Jeremy T. Young, Ph.D.

Department of Physics

Dissertation Title: *"NONEQUILIBRIUM DYNAMICS IN OPEN QUANTUM SYSTEMS"*

MATHEMATICS, PHYSICAL SCIENCES, AND ENGINEERING

Divya Patel, Ph.D.

Department of Bioengineering

Dissertation Title: *"ENGINEERING EXTRACELLULAR VESICLE PRODUCTION ENVIRONMENT TOWARDS SCALABILITY AND ENHANCED THERAPEUTIC POTENCY"*