**YAO, Siyu 姚思羽**

1020 East Kirkwood Avenue, Ballantine Hall 916, Indiana University, Bloomington, IN 47405

● Phone: (812) 606-3983 ● Email: siyuyao@iu.edu

**EDUCATION**

**INDIANA UNIVERSITY**, Bloomington, IN, US

Department of History and Philosophy of Science and Medicine

*Ph.D., Philosophy of Science*, Sep 2019 –

**PEKING UNIVERSITY**, Beijing, China

Department of Philosophy and Religious Studies

*Master of Arts, Philosophy of Science*, 2016-2019

**PEKING UNIVERSITY**, Beijing, China

College of Chemistry and Molecular Engineering

*Bachelor of Science, Chemistry*, 2012-2016

**AREAS OF INTERESTS**

* **General philosophy of science**:
  + inference, confirmation, explanation, and scientific methodology.
* **Philosophy of special sciences**:
  + machine learning, cognitive science, astronomy, and historical sciences.
* **Intellectual history of science**:
  + *Naturphilosophie* in German idealism and Romanticism.

**PUBLICATION**

Articles

**Siyu Yao** and Amit Hagar, “Who makes the choice? Machine Learning in Science and the Non-uniqueness Problem,” in progress.

Yuan-Bo Cai, **Si-Yu Yao**, Mo Hu, Xiaoyun Liu and Jun-Long Zhang, “Manganese protoporphyrin IX reconstituted myoglobin capable of epoxidation of the C=C bond with Oxone®,” *Inorg. Chem. Front.*, 2016, 3, 1236-1244.

Master Thesis

Siyu Yao. *Schelling’s Critique and Development of Kant’s Theory of Dynamics*. Beijing: Peking University, Jun 2019.

**AWARDS AND FELLOWSHIPS**

* Indiana University College of Arts and Sciences Graduate Fellowship (Fall 2019)
* Fellowship of the International Centre for Philosophy in North-Rhine-Westphalia, Germany (Summer 2018)
* Peking University Graduate Academic Scholarship (Fall 2016 – Spring 2019)
* Peking University Graduate Special Scholarship (Fall 2017)
* Peking University New Undergraduate Student Scholarship (Fall 2012)

**TEACHING**

Indiana University

* COLL-X101 Experimental Topics. “Cyberpunk History and Philosophy”. Joint instruction with Jared Neumann. (Fall 2020)
* COLL-C104 Critical Approaches: Social and Historical. “What is Science and Who Cares?” (discussion section). Main instructor: Jordi Cat. (Spring 2021, Spring 2022)
* HPSC-X200 Scientific Reasoning (discussion section). Main instructor: Jordi Cat. (Fall 2020, Fall 2021)

Peking University

* “Dialectics of Nature” Teaching Assistant. Main instructor: Yuanbiao Ren. (Fall 2017)

**OTHER WORKING EXPERIENCES**

**Department of History and Philosophy of Science, Indiana University Bloomington**, IN, USA

*Student Assistant*, Jun 2020 – Aug 2020

* + Organizing past abstracts and papers of the Integrated HPS (&HPS) conferences and building a preliminary database of past conference records.

**Institute of Humanities and Social Sciences, Peking University**, Beijing, China

*Student Assistant*, Jan 2017 – Jan 2018

* + Responsible for translating scholar handbooks and websites from Mandarin to English
  + Assisted in the organization and documentation of academic lectures

**Department of Philosophy, Peking University**, Beijing, China

*Student Assistant*, Sep 2017 – Aug 2018

* + Assisted in the organization of the World Congress of Philosophy (WCP) 2018

**College of Chemistry and Molecular Engineering, Peking University**, Beijing, China

*Undergraduate* *Research Assistant*, *Bioinorganic Laboratory*, Dec 2013 – Jul 2014

* + Studied the catalytic properties Manganese reconstituted myoglobins and the fluorescent properties of Platinum reconstituted myoglobins.

**Zhengjian Kendo Dojo**, Bejing, China

*Kendo Instructor*, 2016-2019

**LANGUAGES AND SKILLS**

* Mandarin (native)
* English (fluent)

● German (equivalent to B1)

● Japanese (JLPT N2)

● Latin (2 years)

● Programming (python, Matlab, C++)

● Kendo (4th Dan)