

## Eric R Kern

### CIRRICULAM VITAE

#### **Current Address**

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#### **Education**

Ball State University, Muncie, Indiana, USA, Ed.D in Chemistry/Geology (Jan. 2008-2014).  
Research Training: "Emerging Media in the Science Classroom." GPA: 3.8217 (*unfinished*)

Ball State University, Muncie, Indiana, USA, M.S in Chemistry (May 2005). Research Training:  
Gold nanoparticle synthesis and spectroscopy. Thesis: "The Characterization and Derivatization  
of Catenane Gold Nanoparticles." GPA: 3.796

Ball State University, Muncie, Indiana, USA, B.S in Chemistry/Criminal Justice (May 2002).  
Research Training: Olefin polymerization catalyst and synthesis of TrimethylSilyIndene using  
high vacuum and dry box techniques. GPA: 3.273

#### **Employment History**

Duration: 8/2022- Present

Title: Assistant Professor of Chemistry, Indiana Wesleyan University, Marion, IN.

Responsibilities: Continuing preparing laboratory manuals, quizzes, worksheets, exams, and  
assignments for CHE 120-Introduction to Organic and Biological Chemistry,  
CHE 110-Introductory to Chemistry, Aide/Oversee BIO 109-Introduction to  
Forensic Science, and development of EAR 132-Earth Science Course.  
Lecture in General Chemistry.

Duration: 8/2012- Present

Title: Assistant Professor of Chemistry, Indiana Wesleyan University, Marion, IN.

Responsibilities: Continuing preparing laboratory manuals, quizzes, worksheets, exams, and  
assignments for CHE 120-Introduction to Organic and Biological Chemistry,  
CHE 110-Introductory to Chemistry, CHE 120-Introduction to Organic and  
Biological Chemistry On-line, and BIO 109-Introduction to Forensic Science.

Duration: 8/2007- 2012

Title: Assistant Professor of Chemistry, Indiana Wesleyan University, Marion, IN.

Responsibilities: Prepare quizzes, exams, lectures, and perform grading for two sections of  
Introduction to Organic and Biochemistry (CHE 120). Prepare pre-labs and  
instruct. Introduction to Organic and Biochemistry laboratories. Prepare  
quizzes, exams, lectures, and laboratories for Introduction to Forensic Science  
(BIO 109). Lecture for UNV 180-World Changers general education course.

Duration: 8/2005- 8/2007

Title: Lab Instructor/ Instructor of Chemistry, Indiana Wesleyan University, Marion, IN.

Responsibilities: Prepare quizzes, exams, lectures, and perform grading for two sections of Introduction to Organic and Biochemistry. Prepare pre-labs and instruct Introduction to Organic and Biochemistry, General Chemistry, Introductory Chemistry, and Exploring Chemistry laboratories.

Duration: 6/2004-8/ 2005

Title: Assistant Laboratory Manager, Ball State University, Muncie, IN.

Responsibilities: Manager of the chemical stockroom, prepare lab solutions, and set up lab equipment for organic chemistry, biochemistry, analytical chemistry, and physical chemistry labs.

Duration: 8/2002-6/2004

Title: Graduate Assistant, Ball State University, Muncie, IN.

Responsibilities: major responsibilities included teaching labs, advising, and tutoring general chemistry students.

### **Teaching Experience**

Duration: 8/2007-Present

Title/Responsibilities: Lab Instructor: major responsibilities included the teaching of laboratories for the following classes:

- Introduction to Organic and Biochemistry- CHE 120
- Introduction to Forensic Science-BIO 109
- Introduction to Chemistry-CHE 110
- General Chemistry -CHE 125/126
- Earth Science -EAR 132(Fall 2022-Present)
- Dual Credit Chemistry (Kings Academy) (Fall 2024-Present)

Duties also included the preparation of exams, quizzes, and lectures for Introduction to Organic and Biochemistry, Introduction to Forensic Science, and Introduction to Chemistry.

Institution: Division of Natural Sciences and Mathematics  
Indiana Wesleyan University  
Marion, IN 46953

Duration: 8/2005- 8/2007

Title/Responsibilities: Lab Instructor/Instructor: major responsibilities included the teaching of laboratories for the following classes:

- Exploring Chemistry-CHE 105
- Introductory to Chemistry- CHE 110
- General Chemistry- CHE125/126
- Introduction to Organic and Biochemistry- CHE120
- Introduction to Forensic Science-BIO 109

Duties also included the preparation of exams, quizzes, and lectures for Introduction to Organic and Biochemistry and Introduction to Forensic Science.

Institution: Division of Natural Sciences and Mathematics  
Indiana Wesleyan University  
Marion, IN 46953

Duration: 8/2005-5/2007; 8/2019-Present

Title/Responsibilities: Adjunct Faculty: major responsibilities included classroom lectures on general chemistry, teaching labs, and tutoring students in general chemistry

Institution: Department of Physical Sciences  
Ivy Tech State College  
Muncie, Indiana 47303

Duration: 9/2004-4/2005

Title/Responsibilities: Adjunct Faculty: major responsibilities included pre-lab lectures, teaching labs, and tutoring students in introductory and general chemistry.

Institution: Division of Natural Sciences and Mathematics  
Indiana Wesleyan University  
Marion, IN 46953

Duration: 8/2002-6/2004

Title/Responsibilities: Graduate Assistant/Laboratory Assistant: major responsibilities included advising, tutoring, and teaching labs for the following classes:

- Analytical Chemistry
- General Chemistry
- Instrumental Chemistry

Institution: Department of Chemistry  
Ball State University  
Muncie, IN 47306

## **Research and Graduate Presentations**

Literature Seminar on “*Emerging Media in the Science Classroom*” (Power Point Presentation),  
December 2011  
Ball State University

“*The Formation and Characterization of Catenane Gold Nanoparticles.*” (Poster Presentation),  
36<sup>th</sup> American Chemical Society Regional Meeting, Indianapolis, IN, June 2-4, 2004

PITTCON, “*Spectroscopic Studies of Palladium Macroscopic Square Complex and of its Catenane Monolayer Formation.*” Dr. Patricia Lang (presenter), Eric Kern, Jessica Juenemann, Khoa Tran (co-author’s), March 2004  
Chicago, IL

Graduate Seminar on “*The Role of CuZn Superoxide Dismutase in Amyotrophic Lateral Sclerosis.*” (Power Point Presentation), December 2003  
Ball State University

“*The Characterization and Derivatization of Catenane Gold Nanoparticles.*”  
(Poster Presentation), October 2003, Chemistry Open House  
Ball State University

Literature Seminar on “*The Characterization and Derivatization of Catenane Gold Nanoparticles.*” (Power Point Presentation), April 2003  
Ball State University

## **Academic Conferences**

“*The 25<sup>th</sup> Biennial Conference on Chemical Education.*” Notre Dame University, IN, July 30-August 3, 2018.

“*The 20<sup>th</sup> Biennial Conference on Chemical Education.*” Indiana University, IN, July 2008.

“*National Science Foundation Sponsored Center for Workshops in The Chemical Science-Forensic Science.*” Williams College, MA, June 17-22, 2007.

“*The Center for Computational Biology and Bioinformatics Conference.*” Indiana University-Purdue University of Indianapolis, IN, June 1, 2007.

“*Regional Turning Point User Conference 2007.*” Eastern Illinois University, IL, March 5-6, 2007.

“*The 19<sup>th</sup> Biennial Conference on Chemical Education.*” Purdue University, IN, July 30-August 3, 2006.

## **Awards and Honors**

1. Ball State University Chemistry Department Incoming *Freshman Scholarship Award* May 1998.
2. Ball State University Chemistry Department *Ralph Joyner Positive Attitude Award* May 2002.
3. Ball State University Chemistry Department *Excellence in Graduate Teaching Award* April 2004.
4. Ball State University Chemistry Department *Significant Academic Accomplishments at the Graduate Level Award* April 2004.
5. Ball State University Chemistry Department *Graduate Student Summer Scholarship Award* April 2004.