

# **KHANH NGUYEN**

*Curriculum Vitae*

## **PROFESSIONAL ADDRESS**

### **Khanh (Kendrick) D. Nguyen**

Graduate Student Researcher  
Department of Chemistry and Biochemistry  
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## **EDUCATION**

### **Le Hong Phong High School for the Gifted**

Ho Chi Minh City, Vietnam  
Natural Sciences, 2008 – 2011

### **Ho Chi Minh City University of Education**

Ho Chi Minh City, Vietnam  
BA in English Education (expected, no degree acquired), 2011 – 2013

### **Delgado Community College**

New Orleans, Louisiana  
General Studies, 2013 – 2014  
GPA: 4.0/4.0

### **University of New Orleans**

New Orleans, Louisiana  
BS in Chemistry – Medicinal Chemistry, 2014 – 2016  
GPA: 3.94/4.0

### **University of California – Santa Barbara**

Santa Barbara, California  
Graduate Student – Biophysical Chemistry  
2016 – Present

## **WORK EXPERIENCES**

### **UCSB – Department of Chemistry and Biochemistry**

Santa Barbara, California  
Graduate Student Researcher (2016 – Present)

**Advisors:** Dr. Songi Han and Dr. Michelle A. O'Malley

**Description:** The human adenosine A2a receptor (A2aR) serves as an excellent target to conduct modeling studies into oligomerization of GPCRs, as there are solid evidences that this particular member of GPCR family forms homo-oligomers<sup>17,18</sup> and heteromers, especially with D2 receptor, playing an impactful role in several CNS disorders. Using various biophysical tools, my goal is to identify oligomeric interface of A2aR, establish experimental read-out for A2aR activity, and evaluate functional impact of the oligomeric state and membrane environment on A2aR.

## **University of New Orleans – Department of Chemistry**

New Orleans, Louisiana

Undergraduate Research Assistant (2015 – 2016)

**Advisor:** Dr. Mark L. Trudell

**Description:** The project involves a new method of *N*-alkylation of amines with alcohols using a catalytic system consisting of  $[\text{Cp}^*\text{IrCl}_2]_2$  and a weak base. My participation in this project is the extensive amount of work on a wide variety of amino acids, with multiple primary alcohols as alkylating agents in the presence of  $[\text{Cp}^*\text{IrCl}_2]_2$  and  $\text{K}_2\text{CO}_3$  as a base. 12/14 reactions, repeated at least twice to ensure the results, gave desired products (some of which are novel compounds) with a yield of up to ~40%. The application of this catalytic system has never been done on amino acids before, which makes this basic research a very useful approach for the synthesis of these compounds and for further studies on amino acids.

### **British Council**

Ho Chi Minh City, Vietnam

Teaching Assistant (2013)

### **Yola Institute**

Ho Chi Minh City, Vietnam

Teaching Assistant (2013)

## **HONORS/AWARDS**

### **Dean's List**

Fall 2014 – Spring 2016

University of New Orleans

### **Jim & Sonia Miller Scholarship**

April 2016

A limited scholarship of up to \$2,000 awarded to students with a BS Chemistry major.

Department of Chemistry, University of New Orleans

### **UNO Chemistry Senior Award**

April 2016

An honorable award to recognize the senior-year student with the best academic performance in 2016

Department of Chemistry, University of New Orleans

### **Undergraduate Award in Inorganic Chemistry**

April 2015

An honorable award to recognize the student with the best academic performance in Inorganic Chemistry courses at undergraduate level in 2015

Department of Chemistry, University of New Orleans

### **Privateer Transfer Scholarship (Fall 2014 – Spring 2016)**

Out-of-state tuition waiver of up to \$14,000/year for international transfer students

University of New Orleans