Jonathon Hanek

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# Education

## Bachelor’s Biochemistry | May 2019 | University of Illinois at Chicago

* **Major:** Biochemistry
* **Related coursework:** Practical hands-on laboratory coursework ranging from general chemistry techniques to advanced biochemistry processes. Worked in a research lab.
  + **DNA**: Cleaved DNA with restriction enzymes to determine concentration and purity, then use Gel Electrophoresis to confirm cleaving. Used PCR for DNA amplification.
  + **Proteins**: Separation of proteins by Gel Filtration Chromatography and Ion Exchange Chromatography. SDS Page and BCA Standard Ladder to find molecular weight and concentration of an unknown Protein.
  + **Enzymes**: Determined an Enzyme’s kinetic properties by measuring absorbance values and plotting a Lineweaver-Burk plot and a Michaelis-Menten plot.

# Experience

## Research Assistant | Stephanie Cologna’s Lab | December 2018

* ***Proteomic and lipidomic analysis reveals altered fatty acid metabolism in the liver of the symptomatic Niemann-Pick, type C1 mouse model.***

[Pergande MR](https://www.ncbi.nlm.nih.gov/pubmed/?term=Pergande%20MR%5BAuthor%5D&cauthor=true&cauthor_uid=31394590), [Serna-Perez F](https://www.ncbi.nlm.nih.gov/pubmed/?term=Serna-Perez%20F%5BAuthor%5D&cauthor=true&cauthor_uid=31394590), [Mohsin SB](https://www.ncbi.nlm.nih.gov/pubmed/?term=Mohsin%20SB%5BAuthor%5D&cauthor=true&cauthor_uid=31394590), [Hanek J](https://www.ncbi.nlm.nih.gov/pubmed/?term=Hanek%20J%5BAuthor%5D&cauthor=true&cauthor_uid=31394590), [Cologna SM](https://www.ncbi.nlm.nih.gov/pubmed/?term=Cologna%20SM%5BAuthor%5D&cauthor=true&cauthor_uid=31394590).

* + Published in Proteomics
* Extensive use with Gas Chromatography-Mass Spectrometry to determine identities/composition of compounds
  + Agilent 5977B MSD
* Use with High Pressure Liquid Chromatography for concentration determination
  + Agilent 1260 HPLC
* Experience with Mass Hunter software from Agilent
* Some experience with the use of MALDI Mass Spec

## Self-Taught PRogrammer| January 2017 – Now

* Check out my projects page at hanekpro.com
* Proficient in Python
  + Received 5 certificates from Coursera
* Adept at Full Stack Web Development
  + UDEMY Certificate for Beginner Full Stack Development
  + Working through FullStackOpen and Harvard CC for Web Programming Professional Certificate right now
* Basic understanding of SQL
  + Solved all problems in SQLZOO

## Sales Associate/Part Time Manager | Fair Game | January 2016 – July 2018

* Ensured customer purchases and overall satisfaction
* Recovered and replenished sales floor
* Contributed to the store’s success by training new management/owners in day to day operations.

# Additional Skills & Abilities

## Software and hardware Technology

* 5+ years of using PowerPoint, Excel, and Word
* Basic understanding of Origin Lab
* Adept in computer hardware custom configuration
  + Experienced with using Raspberry Pis to automate small tasks

## Language

* Proficient in German; received scholarship and spent 4 weeks in Germany via UIC Study Abroad Program to further develop language skills and immerse into the German culture. Received diploma in A2 Proficiency.

## Leadership

* 2019 Captain - The Merlins – a yearly Tough Mudder and Abominable Snowman race team.
  + Team organization, Coaching, Administrative functions
* 2013 IHSA State Volleyball Champion
  + Provided mentorship to junior team members

# References

## Melissa Pergande| PHD Candidate - team lead, Cologna lab

* E-mail: mperga2@uic.edu
* Phone Number: 414-975-7642

## Stephanie Cologna| Assistant Professor, Head of Cologna L

* E-mail: cologna@uic.edu

## Adrian Chubb| PHD Candidate – Germanic Studies

* E-mail: achubb2@uic.edu

## Joshua Stein| Fairgame Owner

* E-mail: s.joshua.stein@gmail.com
* Phone Number: 630-670-2912