**Chris M. Cardinal**

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**EDUCATION**

**Otterbein University,** Westerville, OH **Graduation Date: May 20\*\***

*Bachelor of Science in Biochemistry*

* GPA: 3.6/4.0
* Recipient, Ross Medical Scholarship
* Dean’s List, six semesters

**Relevant Coursework with Lab:**

* Analytical Chemistry
* Inorganic Chemistry
* Genetics
* Cell Biology
* Organic Chemistry
* Physical Chemistry

**RELEVANT EXPERIENCE**

**Otterbein University Department of Chemistry and Biochemistry January 20\*\* - August 20\*\***

*Senior Research Project with Dr. John Tansey, Associate Professor*

* Explored expression of a lipid droplet protein (OXPAT/Perilipin 5) in cultured cell lysates using western blotting and in whole cells using immunofluorescence.
* Research revolved around PAT proteins, which utilize, mobilize, and store fatty acids in cytolsolic lipid droplets. PAT proteins coat the phospholipid membrane of lipid droplets. The goal is to identify unknown mechanisms and structures of PAT proteins, enabling the research team to help solve Type II Diabetes and Obesity.
* Utilized specific antibodies to detect if the protein of interest (OXPAT) is present.
* Analyzed for the presence of dark bands, which are the antibodies bound to specific protein, at the correct molecular size for OXPAT.
* Detected two possible cell lines for the expression of OXPAT.

**Techniques**

* SDS-PAGE, Immunoblotting/Western Blotting, Immunoflourescence, Protein Assays

**Skills**

* Pipetting
* Lab Safety
* Microsoft Office
* Data Interpretation
* Entrez
* Blast
* Protein Data Bank
* Jmol
* Expasy Tools

**WORK EXPERIENCE**

**Dick’s Sporting Goods,** Columbus, OH **August 20\*\* - present**

*Sales Associate*

**R&R Pipeline**, Newark, OH **Summer 20\*\* - 20\*\***

*General Laborer*

**LEADERSHIP & INVOLVEMENT**

**Otterbein University,** *Varsity Baseball*  **August 20\*\* - present**

* Co-captain (20\*\*- 20\*\*)

**Licking Valley School District,** *Assistant JV Baseball Coach*  **Spring 20\*\***

* Ran drills and worked one on one with pitchers

**Licking Valley Church of Christ,** *Mission Team*  **Summer 20\*\***

* Helped to build a school inBelmopan, Belize