

# Scott Breitbach

Biologist | Data Scientist

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## EXPERIENCE

### **Zoetis, Inc., Lincoln, NE — *Scientist, Pilot Plant***

APRIL 2007 - PRESENT

Project management and organization, process planning and execution.  
Produce pre-license serials to obtain product licensure while maintaining project timelines.

### **Fort Dodge Animal Health, Charles City, IA — *Quality Scientist II***

DECEMBER 2005 - MARCH 2007

Ensure quality through chemical testing of vaccine products.  
Conduct validation of new instruments and write standard operating procedures (SOPs).

### **Cambrex Corporation, Charles City, IA — *QC Chemist I***

MAY 2004 - DECEMBER 2005

Perform quality testing on chemical compounds and raw materials.  
Maintain laboratory notebooks following good laboratory practices (GLP)

## EDUCATION

### **Bellevue University, Bellevue, NE — *MS, Data Science***

MARCH 2020 - AUGUST 2022

### **University of Northern Iowa, Cedar Falls, IA — *BA, Biotechnology* *BA, Management: Business Administration***

AUGUST 1998 - MAY 2004

## CURRENT PROJECTS

### **Cytopoint IL-31 Long Acting**

Managing project in Pilot to produce drug substance on a tight timeline, with the goal of being first to market with the long acting product format. Organizing communication, documentation, and technology transfer between multiple sites.

### **Lawsonia intracellularis**

Overcoming repeated setbacks in scale-up and downstream processing, including site sourcing change to a separate manufacturing site.

## SKILLS

### **Data Science:**

R, Python, Power BI, Alteryx, SQL, EDA, visualization, feature selection, modeling, machine learning, neural networks.

### **Pilot Scientist:**

*Documentation:* write SOPs, process worksheets, protocols, reports.

*Process scale-up:* flasks, roller bottles, SUBs, fermenters.

*SAP:* process orders, inventory management, BOM creation, zLIMS testing.

*Secondment:* Biometrics, June 2020 - December 2020

### **QC Scientist:**

HPLC, GC, PCR, UV-Vis, gel electrophoresis, instrument validation.

## DATA SCIENCE PORTFOLIO

scottbreitbach.github.io

## SELECTED OTHER PROJECTS

### **Fostera PCV MH:**

First in the industry to offer this combination in a single-bottle, one dose option.

### **IBV Georgia 08:**

Obtained conditional license in under 6 months after industry request following outbreaks of the disease.