

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, 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.