

KELLY RICHARDS

DATA & DIGITAL | PRODUCT OWNER & STRATEGIST

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www.linkedin.com/in/kellyboisvertrichards

www.kellyboisvertrichards.com

EXPERIENCE

Global Biologics Product Owner | Dashboarding, Multivariate Data Analysis (MVDA), and Reporting

Global Biologics Technical Operations • Lonza
September 2024 – Present

- Leading the development of global strategy to validate MVDA Raman models for GMP use, including the establishment of a model lifecycle management strategy.
- Leading global scale of a OEE (Overall Equipment Effectiveness) tool (built with Seeq), intended to add at least 6 batches to the schedule throughout the next year.
- Designing an in-depth Options Analysis of MVDA tools within the network's digital landscape, including the assessment of an open-source option, and Microsoft Azure.
- Created and hosted an MVDA Community Call to increase collaboration, skill, and alignment throughout the network.
- Performed proof-of-concept (POC) to successfully demonstrate the feasibility of applying Raman modeling to estimate pH.
- Serving as Global Process Owner for SIMCA, including leading the validation of the software for GMP purposes.
- Serving as Global Process Owner for SIMCA-online, including driving the realignment and qualification of the servers.
- Serving as Global Process Owner for Seeq, including driving the migration from on-prem to SaaS.
- Applied MVDA to developed a new customer business model to inform the global sales strategy.

Lead, Global Data Literacy & Culture • Global IT Project • Lonza *March 2024 – April 2025*

- Authored Lonza's Data Literacy Strategy.
- Led the creation of an internal data literacy resource library, named "Best In Class Reference" by third-party consultant.
- Led the execution of the 2024 Annual Lonza Data Festival.

EDUCATION

Syracuse University
M.S. Applied Data Science
Focus: Pipelines & Platforms

Tufts University
M.S. Biology

University of New Hampshire
Honors B.S. Biology

AWARDS

Finalist 'Rising Stars' Award 2023
Women Leaders in Data and AI

TECHNICAL SKILLS

- Multivariate Data Analysis
- Data Visualization
- R • SQL
- SIMCA & SIMCA-online
- Statistica • Power BI • Seeq

STRATEGIC SKILLS

- Communicating technical content to non-technical stakeholders
- Managing projects with a focus on achieving the true business objective
- Identifying opportunities for mutually-beneficial alignment

KEY PRESENTATIONS

Umetrics Conference Talk
"How to Get Your User to Use What You Make" (2022). Using behavioral science to increase user adoption

University of New Hampshire
Guest Lecture
"Data Science in Biotech" (2022)
"Data Visualization & Ethics" (2022)

Tufts University Guest Lecture
"Data Visualization & Ethics" (2023)

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Experience (Continued)

Data Scientist • MSAT, Portsmouth, NH • Lonza

October 2019 - September 2024

- Authored Global documentation guiding Lonza's core usage of MVDA, including model development, model deployment, end-user operation, and end-user interpretation.
- Led a site Hoshin project to increase MVDA usage, including scale out to manufacturing suites.
- Developed model alignment strategy to deliver a cohesive end-product, while fostering internal professional skill development.

Database Admin. Specialist • MSAT, Portsmouth, NH • Lonza

August 2017 – October 2019

- Data management, data quality, data mining, SQL, Statistica, and Global Data Mart (GDM).

Leadership & Culture

Global Data Culture & Literacy Workstream • Lonza

Member | 2021 to Present

- Collaborate globally to foster a strong, strategic data culture.

Global Data Strategy Council • Lonza

Member | 2024- Present

- Internal consultancy of data initiatives, priorities, and projects.

Site Data Strategy Team • Lonza

Member | 2024

- Co-created a vision for the future of data at Lonza Portsmouth.
- Led a workshop on the keys to successful transformation.

Lonza Rise Up Mentorship Program • Lonza

Mentor | August 2025 - Present

- Provided one-on-one coaching, guiding mentee through professional development and decision-making.

Women Inspiring Leadership ERG • Lonza

Co-Chair | 2023, 2024

Communication Lead | 2022

Professional Development Lead | 2021

MSAT Intern Program • Lonza

Co-Chair • 2024