

Making enzymes with R

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Novozymes is the world leader in industrial enzymes with products in detergency, food, feed, bio-fuel and more.

To make new and improved enzymes for these applications, we screen thousands of enzyme-variants per week. *R* is used liberally in the flow to transform, manage, analyze and understand the results.

The talk will give examples of high-throughput data processing and discuss some of the challenges in high-throughput data, including

- Experiment meta-data
- High-throughput data processing: server-side or client-side
- Local and global data storage
- Managing and sharing R-code
- Proprietary automation software
- Failure modes of high-throughput screening data