DRUG DISCOVERY

SIMULATION

ON-LINE VERSION

LBS

LEARNING BY SIMULATION

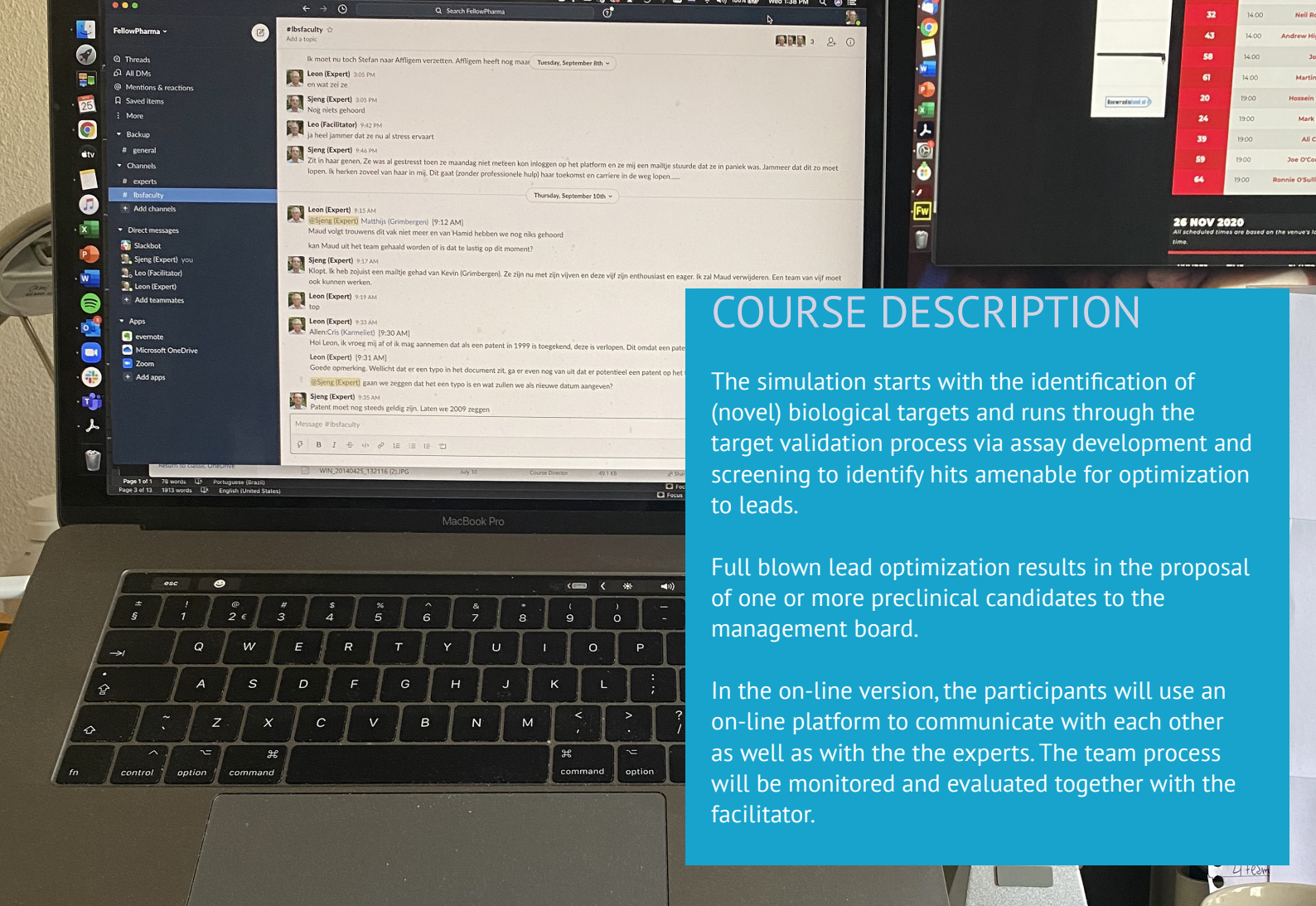## ABOUT LBS ON-LINE SIMULATIONS

The virtual courses consists of 7-8 interactive blocks of 4 hours over a period of 4 weeks with intermittant homework assignments.

The on-line courses are designed to maintain the high standard known of LBS and provide a similar intensity and interaction as the in-life versions.

www.learningbysimulation.com

LEARNING OBJECTIVES

The overall objective of the simulation is for participants to gain understanding of what is needed in the complex drug discovery process. More specifically:

- To understand the drug discovery process and the role of disciplines within the process.
- To experience the interfaces and interactions between the different disciplines.
- To learn about results of actions and decisions to be taken at crucial points in the process.
- To learn to react on deviations and risks in the drug discovery environment.

COURSE DESCRIPTION

The simulation starts with the identification of (novel) biological targets and runs through the target validation process via assay development and screening to identify hits amenable for optimization to leads.

Full blown lead optimization results in the proposal of one or more preclinical candidates to the management board.

In the on-line version, the participants will use an on-line platform to communicate with each other as well as with the the experts. The team process will be monitored and evaluated together with the facilitator.

A BRIEF TENTATIVE SCHEDULE

Pre-Work
- Access to the communication platform
- Background on the Therapeutic Area
- Explanation on the simulation

Block 1
ON-LINE SESSION

Target selection
- Target opportunities
- Target selection
- Target validation workflow

Block 2
ON-LINE SESSION

Target validation
- Target validation experiments
- Assay development
- High Throughput Screening

Block 3
ON-LINE SESSION

Lead identification
- Scientific review meeting
- Introduction hit to lead optimization
- Hit optimization
- Lead candidate proposal

Block 4
ON-LINE SESSION

Target product profile
- Target Product Profile
- Scientific review meeting
- Introduction lead optimization
- Lead optimization flow chart

Block 5
ON-LINE SESSION

Molecular Design and Informatics
- Scientific review meeting
- Molecular design and informatics
- Lead optimization plan

Block 6
ON-LINE SESSION

Lead optimization and preclinical candidate selection
- Lead optimization
- Preclinical candidate proposals

Block 7
ON-LINE SESSION

Preclinical candidate selection meeting
- Preclinical candidate selection meeting
- Final evaluation
- Wrap up

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