

# ONE THING LEADS TO ANOTHER

*- the way I experience(d) China -*

**15 YEARS CHINA PLATFORM UGENT – 2022**

Stefaan De Smedt



december 2007: **15** years ago

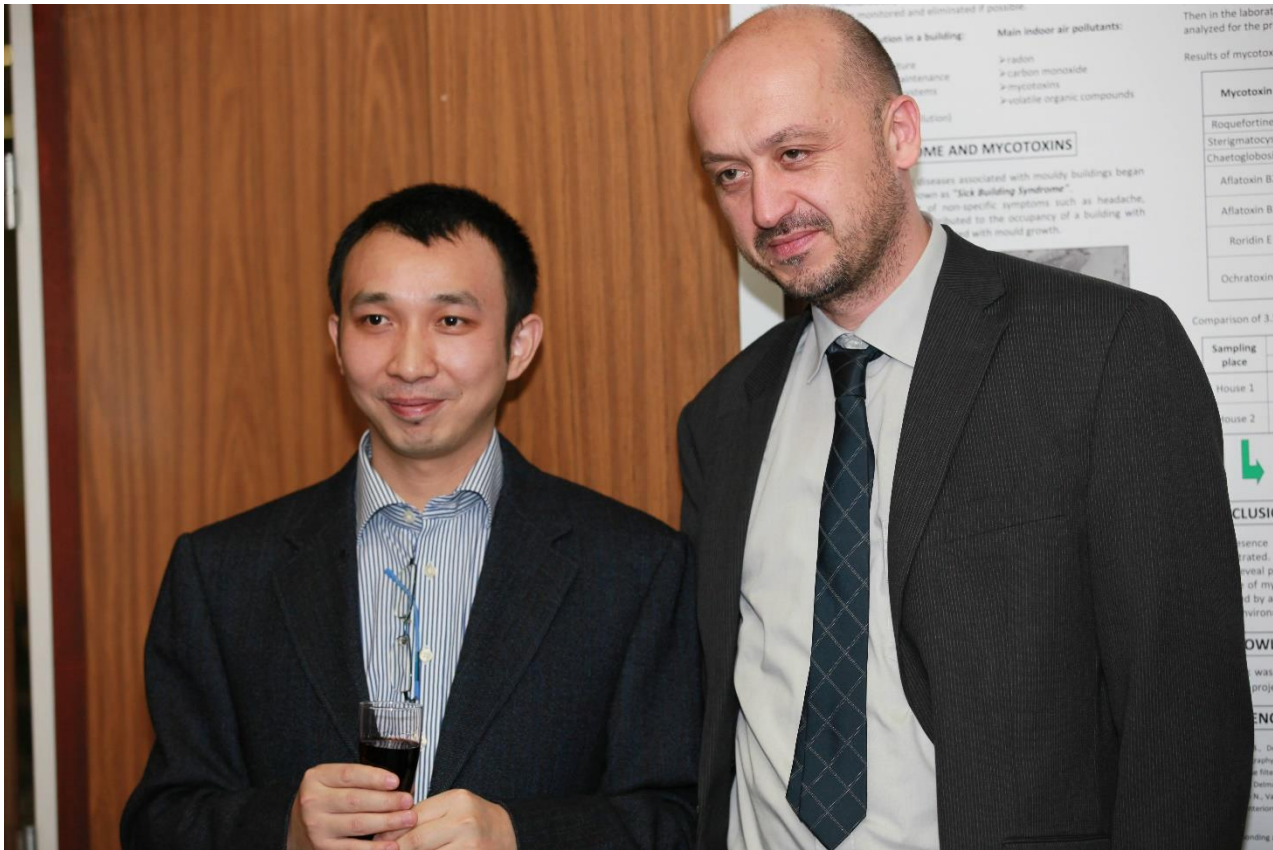




Chinese new year 2010



Doctoral defense 2011



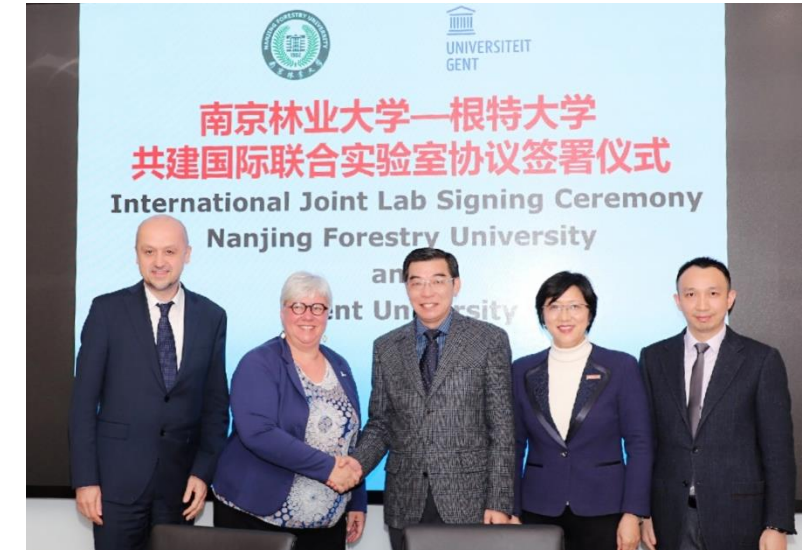


**Discover new horizons**



# Joint Laboratory of Advanced Biomedical Materials (NFU-U Gent)

- november 2019 -



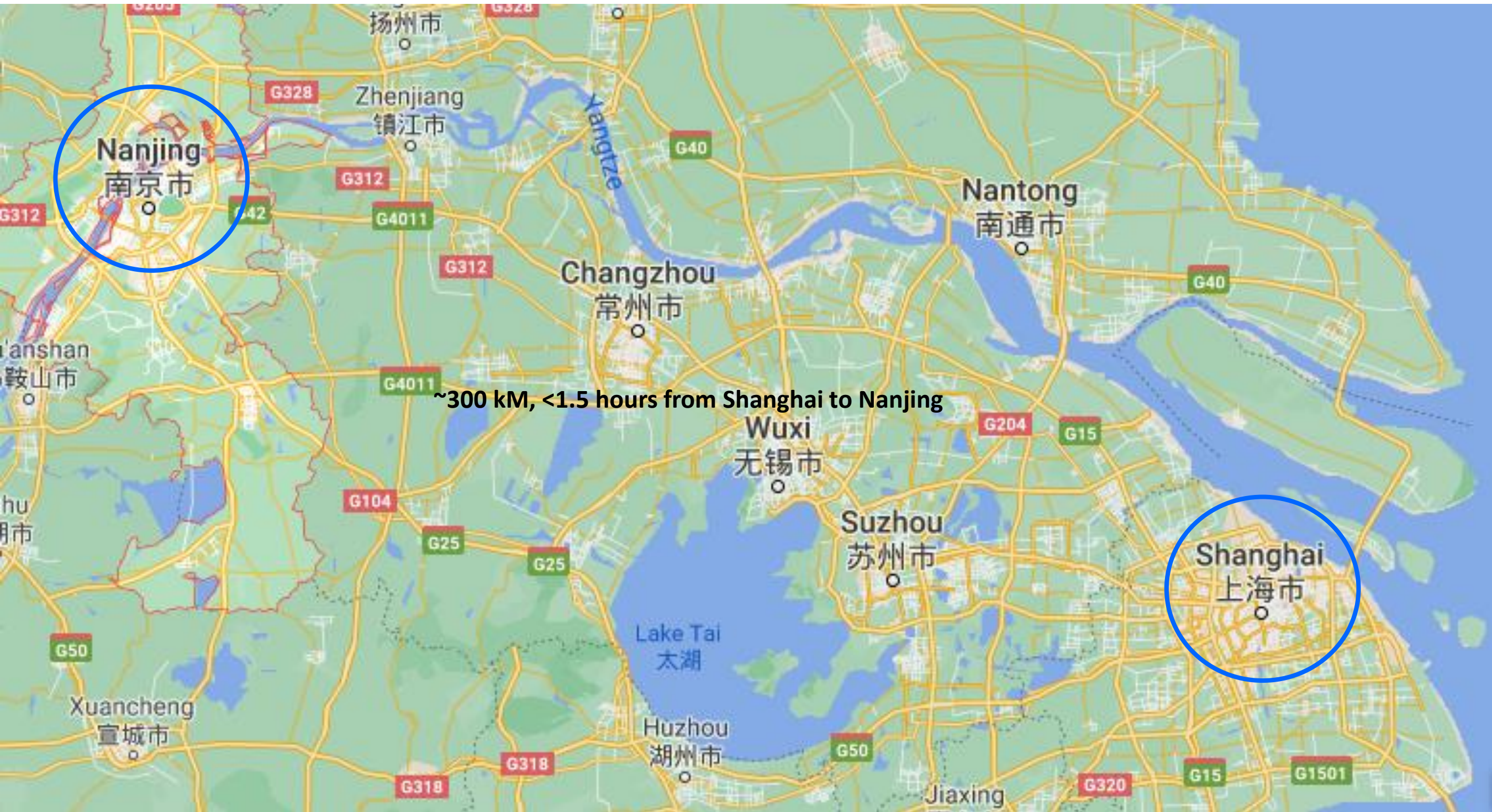
Nanjing Forestry University (° 1902)

A “Double-First Class” University



<http://www.njfu.edu.cn>





Nanjing  
南京市

Zhenjiang  
镇江市

Changzhou  
常州市

Nantong  
南通市

Wuxi  
无锡市

Suzhou  
苏州市

Shanghai  
上海市

Lake Tai  
太湖

Huzhou  
湖州市

Xuancheng  
宣城市

~300 km, <1.5 hours from Shanghai to Nanjing



**Summer visits since 2016 - lectures – meeting with the phd students -  
revising manuscripts - Joint PhD students in Ghent**









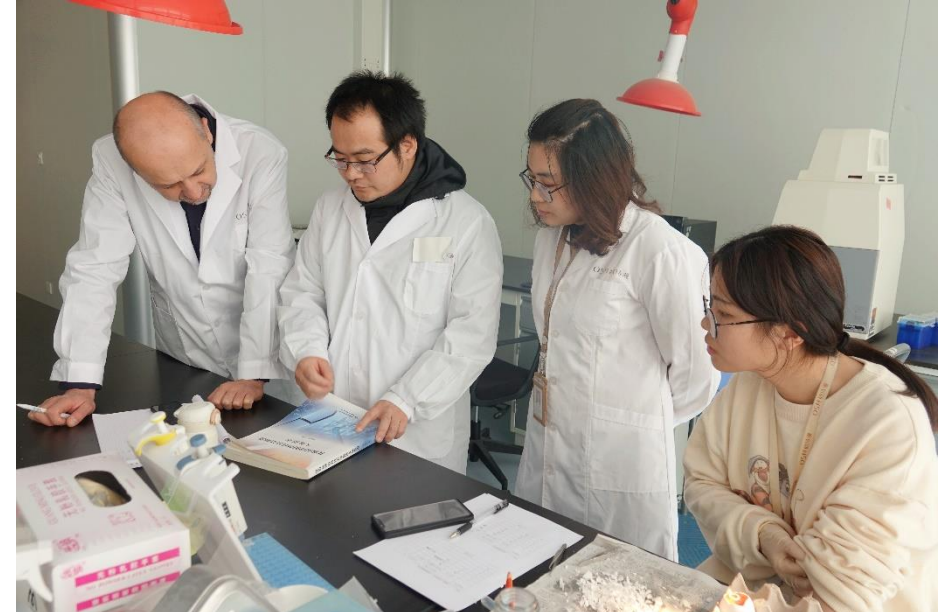


- Support for their research (critical view; defining new research avenues)
- Exposing their master and doc-students to English lectures
- Extra (financial) support for research
- Visibility in China
- Using my network (editors/journals)
- Sending students to EU

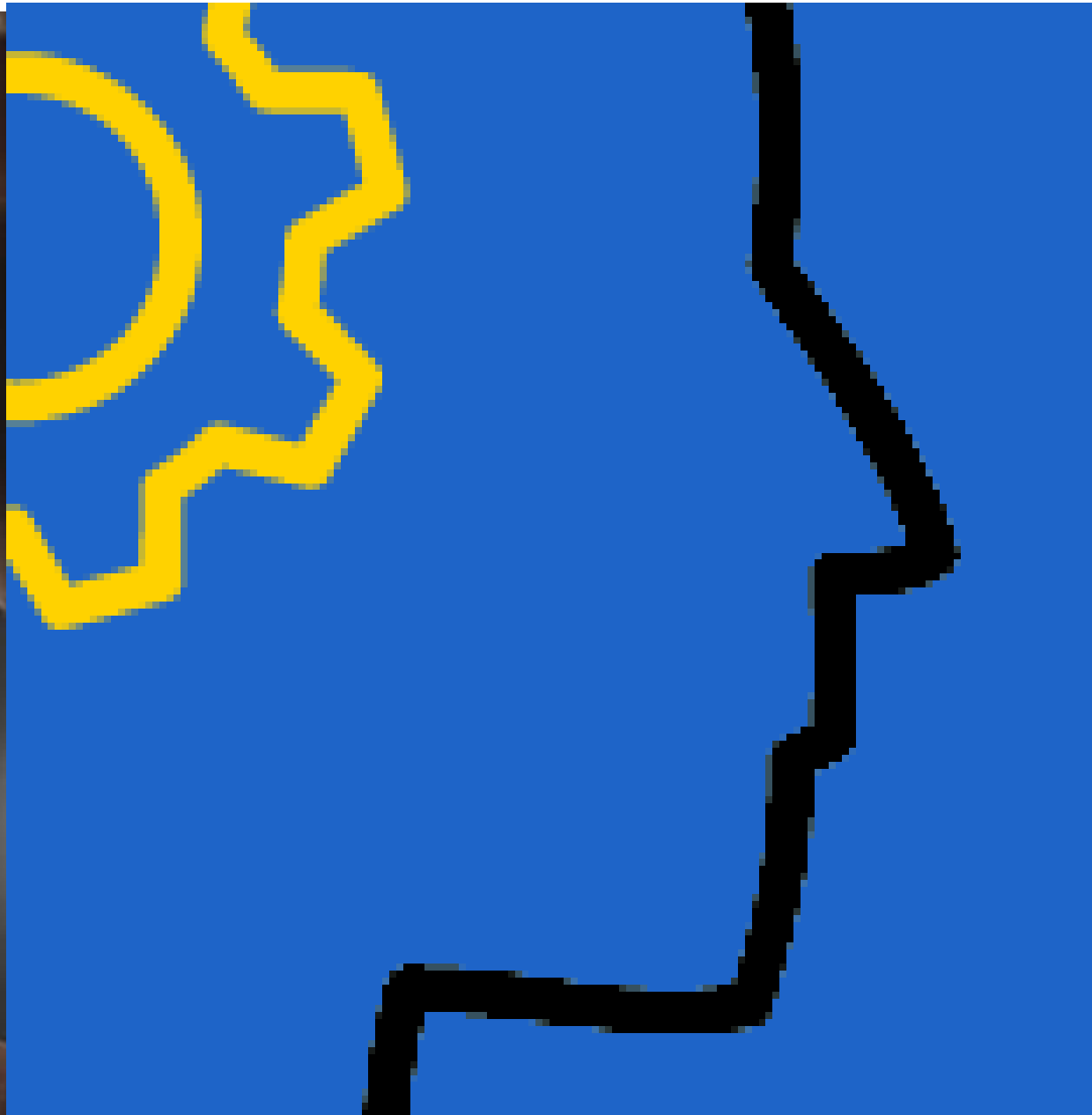




- A gate to China (scouting students, research opportunities,...)
- Making use of the Chinese network
- Allows to apply for dedicated funding in EU
- Like to discover new opportunities / horizons





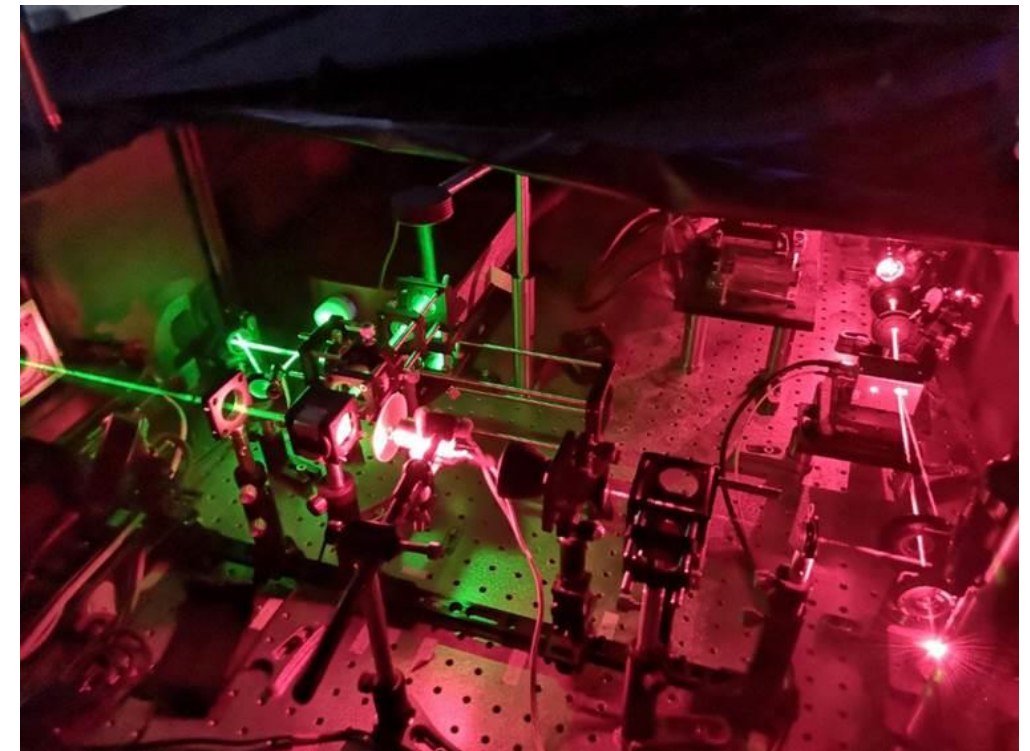
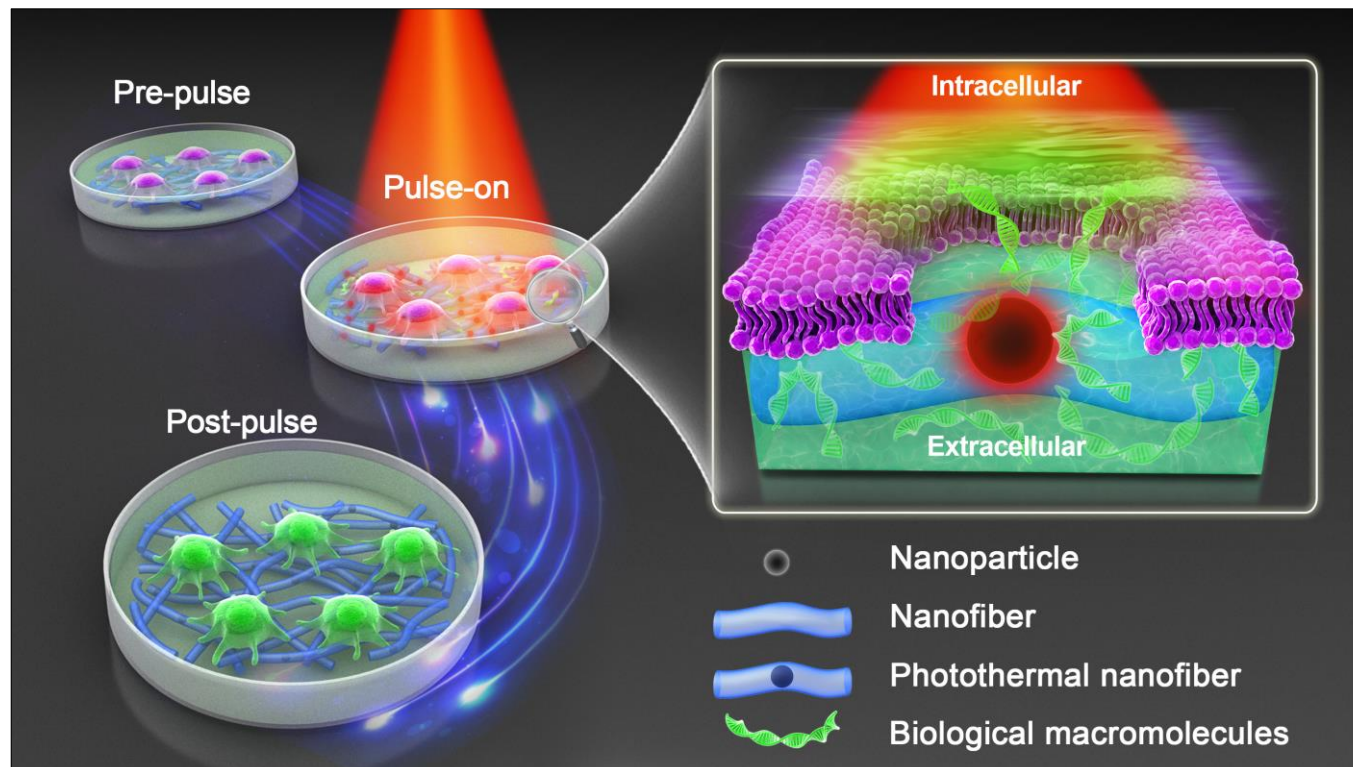






# Photothermal nanofibres enable safe engineering of therapeutic cells

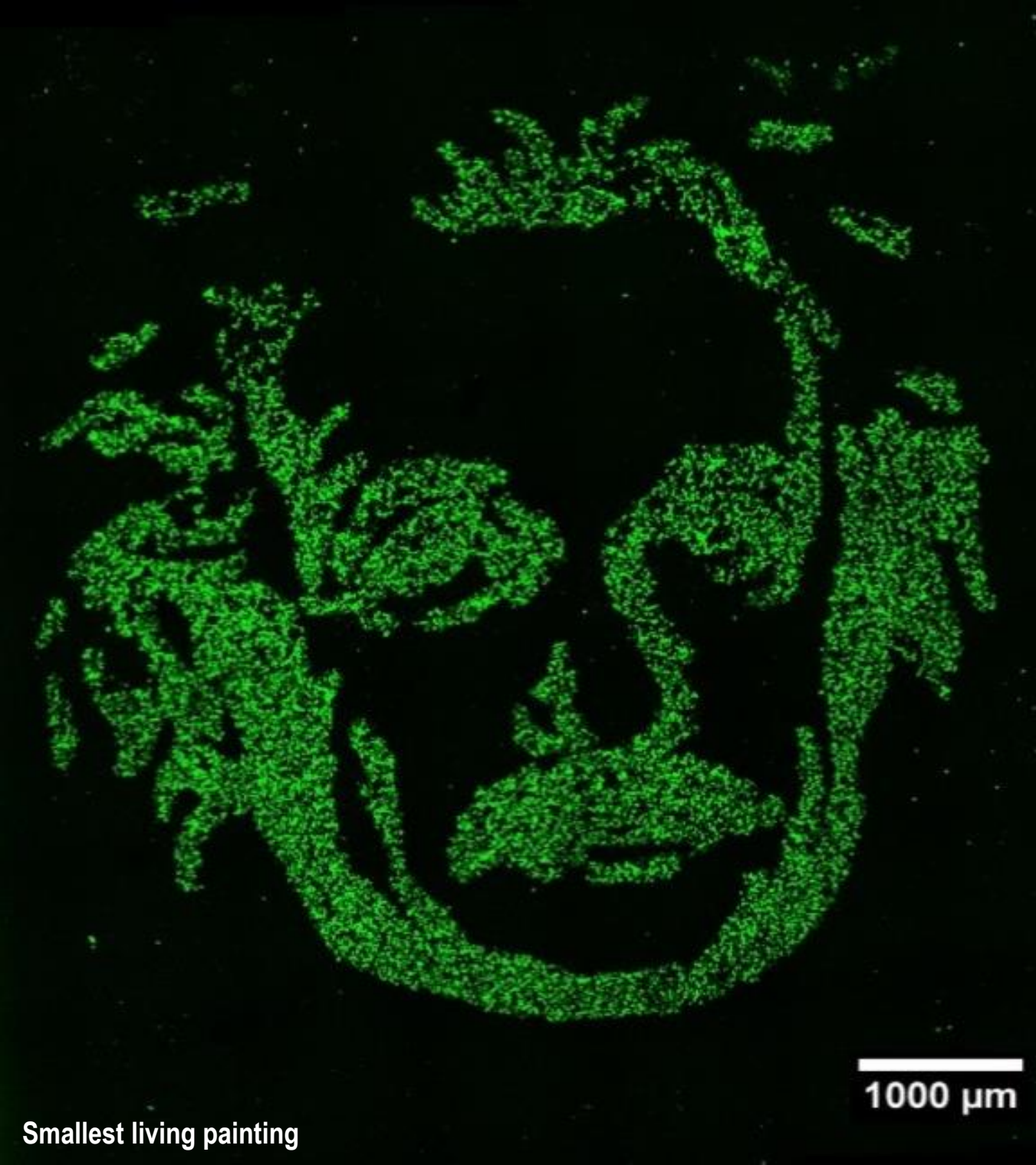
Ranhua Xiong<sup>1,2</sup>✉, Dawei Hua<sup>1,2</sup>✉, Jelter Van Hoeck<sup>2</sup>, Dominika Berdecka<sup>1,2,3</sup>, Laurens Léger<sup>1,4</sup>, Stijn De Munter<sup>5</sup>, Juan C. Fraire<sup>1,2</sup>, Laurens Raes<sup>2</sup>, Aranit Harizaj<sup>2</sup>, Félix Sauvage<sup>1,2</sup>, Glenn Goetgeluk<sup>6</sup>, Melissa Pille<sup>1,6</sup>, Jeffrey Aalders<sup>1,4</sup>, Joke Belza<sup>7</sup>, Thibaut Van Acker<sup>1,7</sup>, Eduardo Bolea-Fernandez<sup>7</sup>, Ting Si<sup>8</sup>, Frank Vanhaecke<sup>1,7</sup>, Winnok H. De Vos<sup>1,7</sup>, Bart Vandekerckhove<sup>1,6</sup>, Jolanda van Hengel<sup>1,4</sup>, Koen Raemdonck<sup>1,2</sup>, Chaobo Huang<sup>1,9</sup>✉, Stefaan C. De Smedt<sup>1,2,9</sup>✉ and Kevin Braeckmans<sup>1,2,9</sup>✉



# TR*in*CE

*precision transfections*

Allowing delivery of macromolecules into any cell with enhanced efficiency and unprecedented accuracy.



1000 μm

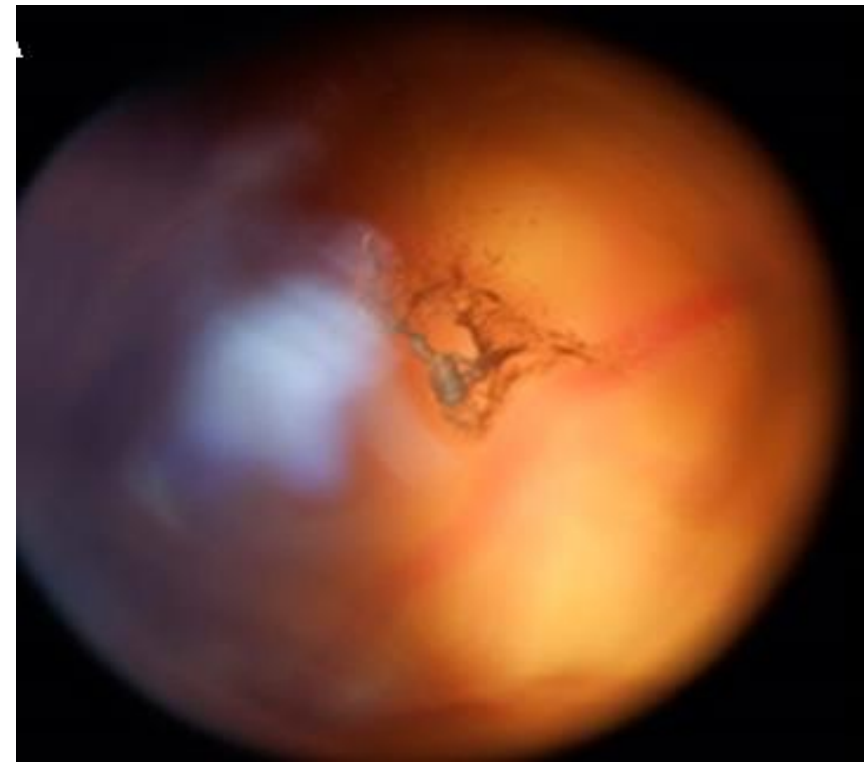




October 2021

# Laser-induced nanobubbles safely ablate vitreous opacities in vivo

Félix Sauvage<sup>1,10</sup>, Van Phuc Nguyen<sup>2,3,10</sup>, Yanxiu Li<sup>2</sup>, Aranit Harizaj<sup>1</sup>, J. Sebag<sup>4,5</sup>, Dimitri Roels<sup>6</sup>, Viktor Van Havere<sup>1</sup>, Karen Peynshaert<sup>1</sup>, Ranhua Xiong<sup>7</sup>, Juan C. Fraire<sup>1</sup>, Marie-José Tassignon<sup>8</sup>, Katrien Remaut<sup>1</sup>, Yannis M. Paulus<sup>2,9</sup>✉, Kevin Braeckmans<sup>1</sup>✉ and Stefaan C. De Smedt<sup>1,7</sup>✉





Dr. Dawai Hua – Alumnus UGent



Prof. Luc Taerwe



ONE  
THING  
LEADS  
TO  
ANOTHER  
EVERYTHING  
S  
CONNECTED



Ghent - spring 2019



Nanjing - autumn 2019



