



BioMechCanDet

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Project meeting and brainstorming activities, 09.11.2022 – 10.11.2022

IFJ PAN, Kraków, Poland

Participants:

IFJ PAN: Malgorzata Lekka, Joanna Zemla, Renata Szydłak, Marcin Luty, Tomasz Zieliński

IFJ PAN guest: prof. dr hab. Wojciech Kwiatek

NTNU:-Bjørn Torger Stokke

Presentations (max. 35 minut + 10 min discussion)

Agenda

Tuesday 8 November 2022

Arrival

Wednesday 9 November 2022

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| 10:00 – 10:45 | AFM lab visit & demonstration of rheometer experiments |
| 11:00 – 11:45 | Experiments: the microrheological (AFM) measurements of cells or hydrogels. |
| 12:00 – 14:00 | Lunch (outside of IFJ PAN) |
| 14:00 – 14:30 | Malgorzata Lekka – Welcome to the participants
(current status, report, tasks for the next reporting time) |
| 14:30 – 15:15 | Bjorn Stokke
(Status of microfluidics and future plans) |

15:15 – 16:00

Joanna Zemła

(Status on microcontact printing and AFM microrheological measurements of cells)

16:00 – 16:30 Coffee break

16:30 – 17:00

Marcin Luty

(Status on invasiveness of bladder cancer cells, report on last experiments conducted @ NTNU, future plans)

17:00 – 17:30

Malgorzata Lekka

(Status on single cell force spectroscopy, properties of alginate beads, future plans)

19:00 – 19:30 Dinner

Thursday 10 November 2022

9:30 IR lab visit

11:00 Bjorn Torger Stokke, Guest Lecture

Bioresponsive hydrogels and microfluidics as tools in biophysical research.

12:15 – 14:00 Lunch (outside of IFJ PAN)

from 14:00 – 17:00 Discussions, future plans, pending issues, closing remarks

17:00 Free evening