

'Drug Discovery at the Speed of Sound' Technology Platform

1st Workshop Drug Discovery at the Speed of Sound

University of Groningen 30th January 2018

Alexander Dömling

Txs to the organizers of the workshop

- **Jolanda Meindersma**
- Shabnam Shaabani, Maryam Ahmadian Moghadam, Li Gao, Ruixue Xu, Andre Boltjes, Robin van der Straat
- Dinos Neochoristis & Tryfon Zarganis

- Craig Grove

- the NH crew
- and all speakers and audience

Drug Discovery at the Speed of Sound

Groningen, 30th January 2018

- 9.00 - 9.15 Welcome (*van der Meer, TRIADE BV*)
- 9.15 - 9.40 'Drug Discovery at the Speed of Sound' Technology Platform and 'perspectief' (*Alexander Domling, RUG*)
- 9.45 – 10.10 The Acoustic Dispensing Revolution (*Richard Ellson, Labcyte Inc., San Jose, USA*)
- 10.15 – 10.40 Acoustic Dispensing Chemistry @ RUG (*Shabnam Shaabani, RUG*)
- 10.45 – 11.00 Coffee Break and Networking**
- 11.00 – 11.25 Acoustic Mass Spectrometer Platform (*Ed Sprake, Waters Inc.*)
- 11.30 – 11.55 iLab Platform at AstraZeneca (*Michael Kossenjans, AstraZeneca, Sweden*)
- 12.00 – 12.25 The Chemical Space of Multicomponent Reactions (*Konstantinos Neochoritis, Telesis BV, Groningen*)
- 12.30 – 13.15 Lunch Break and Networking**
- 13.15 – 13.40 Acoustic Dispensing Platform for High Throughput Structure based Drug Discovery (*Christian Ottmann, Matthew Groves, Technical University Eindhoven, RUG*)
- 13.45 – 14.10 Acoustic Dispensing: the Leiden Experience (*Huib Ovaa, University of Leiden*)
- 14.15 – 14.40 High Throughput Affinity Screening: nanoDSF (*Christian Kleusch, Nanotemper, Munich*)
- 14.45 – 15.10 High Throughput Single Molecule FRET (*George Gkouridis, RUG*)
- 15.15 – 15.30 Coffee Break**
- 15.30 – 15.55 Phenotypic Screening: 384-Patch Clamp (*Elena Dragicevic, Nanion GmbH, Munich*)
- 16.00 – 16.25 High Throughput SPR (*Helge Schnerr, Pall Forte*)
- 16.30 – 16.55 Summary and Next Steps
- 16.55 – 17.00 Closing of meeting

Customer benefits

- First hand insight into technology and integration of different platforms to collaborator companies
- Training of collaborator personal on the platform
- Access to chemistry protocols for acoustic nl dispensing
- 1 HTS and H-2-L *per* collaborating company (1 HTS per public domain information is 500-5.000K; H-2-L expansion, a multiple thereof)

What can we do to strengthen the consortium?