



MESI-STRAT

Systems Medicine of Metabolic-Signaling networks -
A New Concept for Breast Cancer Patient Stratification

Kickoff Meeting

March 28 – 29 2018

Ronde Zaal

University Medical Center Groningen (UMCG)

Groningen, The Netherlands

Meeting Program



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Welcome address

Dear MESI-STRAT partners,
dear members of our advisory board,

It is our pleasure to welcome you to the kickoff meeting of the MESI-STRAT consortium.

The journey to our consortium started five years ago when we drafted our first plans. Two H2020 calls later, the first drafts for MESI-STRAT were written in the beginning of 2016, and submitted for stage 1 in October 2016, and for stage 2 in April 2017. We heard the happy news that MESI-STRAT will fly in late summer 2017, and since then we worked intensely toward our project start in January 2018. Now, three months later, we all are jointly working on our project, including the preparation of our clinical studies, our experimental and computational approaches, our plans for data management, dissemination, exploitation and communication, project management, and – last but not least – our kickoff meeting.

Many of you supported our efforts from the beginning, some joined us later in the process. Today we are happy to see you all in Groningen, to meet in person and celebrate our project start, to discover potential for even closer collaboration, and to plan the details for the implementation of MESI-STRAT.

The emphasis on **day 1** will be to meet each other and get to know our advisory board, and to learn more about the exact expertises there are. This is a unique opportunity, as close insight into the scope and activities of our advisory board will allow us to discover opportunities for further interactions and collaboration, and help us to effectively seek advice during our project.

To foster discussions and interactions, we have prepared theme tables, at which we can meet to discuss in depth project implementation and collaborations. In order to be able to pick up and implement important aspects for MESI-STRAT, the discussions will be documented. We would be happy to see expertises mix around these tables – therefore, please join them based on your interest in topics you want to learn and discuss about. And, of course, don't feel restricted by the selection of themes, but discuss whichever topic you consider interesting and important.

The initial work of our consortium will be mostly dictated by the content of our project description, which you all received in advance. Based on this, we hope that the advisory board members will comment on important aspects and critical points in their talks and during discussions.

On day 2 we will hold a work meeting – planned for partners only – at which we will discuss and agree on all the practicalities that need to be arranged in order to initiate our project. We will present and discuss the tools for project implementation, such as the MESI-SEEK data platform and our data management plan, the MESI-REPOSITORY and our clinical studies, the plans for management, dissemination, exploitation, and communication, and the implementation of our scientific WPs. We will also elect our dissemination and exploitation managers and their representatives. A summary of our work meeting will be made available to the advisory board, in order to collect their input.

At our future meetings, the situation will be much different than today. We will have gathered results, we might have encountered obstacles and made new, unexpected discoveries. Therefore, at future meetings, the consortium will present the project results to the advisory board and seek its advice.

We look very much forward to exciting talks and discussions,
and we wish you an enjoyable and fruitful kickoff meeting.

MESI-STRAT go!

Kathrin Thedieck, MESI-STRAT coordinator
Tobias Anzeneder, MESI-STRAT co-coordinator
Christiane Opitz, MESI-STRAT clinical trial coordinator

Program Day 1, 28.3.2018

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Please follow the signs to the meeting venue from your hotel (NH Hotel Groningen).

Speakers need to upload their presentations at **8.30 am at the meeting desk**.

Time	Topic	Speaker / Affiliation
Welcome addresses		
09:00 – 09:15	MESI-STRAT coordinator	Kathrin Thedieck, University Medical Center Groningen (UMCG), NL
09:15 – 09:30	MESI-STRAT co-coordinator	Tobias Anzeneder, Patients' Tumor Bank of Hope (PATH), Munich, DE
09:30 – 09:45	MESI-STRAT clinical trial coordinator	Christiane Opitz, German Cancer Research Center (DKFZ), Heidelberg, DE
9:45 – 10:00	Coffee break	
Session 1 – The MESI-STRAT Partners: 5 minutes flash presentations		
10:00 – 10:30	Christine Sers Mathias Ziegler Daryl Shanley Ines Heiland	Charite (CHAB), Berlin, DE University of Bergen (UiB), NO Newcastle University (UNEW), UK University of Tromso (UiT), NO
10:30 – 11:00	Sushma N. Grellscheid Sarah Schott Violeta Serra Benoit van den Eynde	Durham University (UDUR), UK Univ. Hospital Heidelberg (UHH), DE Vall d'Hebron Inst. of Oncology (VHIO), Barcelona, ES De Duve Institute (DDI), Brussels, BE
11:00 – 11:30	Karl-Heinz Kellner Basak Tektemur Altay / A. Lisa Norte Wolfgang Mueller / Olga Krebs	Neuroimmun (NIN), Karlsruhe, DE, SysBioSim (SBS), Leiden, NL HITS, Heidelberg, DE
11:30 – 12:00	Coffee break & Discussion – MESI-STRAT picture for our website	
Session 2 – The advising Patient Organisations		
12:00 – 12:30	Europa Donna: the organization and the importance of patient involvement	Ellen Verschuur Europa Donna
12:30 – 13:00	We need to cure breast cancer better	Doris Schmitt PATH and European patient academy EUPATI
13:00 – 14:00	Lunchbreak & Discussion Theme tables Clinical studies Experimental systems approaches Computational systems approaches Data/ model management and sharing	Christiane Opitz, Sarah Schott Christine Sers Daryl Shanley Olga Krebs

Session 3 – The advising Clinicians		
14:00 – 14:30	Targeting tumor metabolism to treat breast cancer	Gerburg Wulf Harvard Medical School Beth Israel Deaconess Medical Center (BIDMC) Dana-Farber Harvard Cancer Center Boston, US
14:30 – 15:00	Novartis' view on next steps in breast cancer	Eric Hoedemaker Medical Director Oncology, Novartis, NL
15:00 – 15:30	Breast cancer: from the clinic to the lab and vice versa	Epie Boven VU University Medical Center, Amsterdam, NL
15:30 – 16:15	Coffee break & Discussion Theme tables Clinical studies Experimental systems approaches Computational systems approaches Data/ model management and sharing	Tobias Anzeneder Mathias Ziegler Ines Heiland Sushma Grellescheid
Session 4 – The advising Modellers and Experimentalists		
16:15 – 16:45	Predicting ligand-dependent tumors from multi-dimensional signaling features	Andreas Raue Merrimack Pharmaceuticals, Cambridge, MA, US
16:45 – 17:15	The role of epigenetics in resistance to treatment in ER+ breast cancer - A systems medicine approach	Pernette Verschure & Hans Westerhoff ITN EpiPredict, University of Amsterdam, NL
17:15 – 17:45	Multilevel molecular analyses in breast cancer: gauging inter- and intra-tumor heterogeneity and elucidating its role in treatment response	Anne-Lise Børresen-Dale The Norwegian Radium Hospital, Oslo, NO
17:45 – 18:00	Discussion	
18:00- 19:00	Free time	
19:00 -	Galadinner: Feithhuis	

Notes:

- 1) Each speaker slot is 20 minutes plus 10 minutes discussion.
- 2) Presentations need to be provided as PDFs

Program Day 2, 29.3.2018

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For partners only

Time	Topic	Speaker
08:00 – 08:45	WP8 MESI-STRAT Organisation and Management plan	Kathrin Thedieck
08:45 – 09:30	WP2 Data Management Plan and MESI-SEEK	Wolfgang Müller
09:30 – 10:00	WP9 Dissemination & exploitation plan	A. Lisa Norte & Tobias Anzeneder
10:00 – 10:15	Coffee break	
10:15 – 10:45	WP9 Communication plan	Tobias Anzeneder
10:45 – 11:15	WP3 SIGNALING NETWORKS for model parameterization & validation	Christine Sers
11:15 – 11:45	WP4 METABOLIC NETWORKS for model parameterization and validation	Mathias Ziegler
11:45 – 12:00	Coffee break	
12:00 – 12:30	WP5 Integrative MESI network modeling and network analyses	Daryl Shanley
12:30 – 13:15	WP1 MESI-REPOSITORY WP6 Clinical Studies and Longitudinal Analyses WP7 Preclinical and Clinical Trials	Tobias Anzeneder Christiane Opitz Sarah Schott
13:15 – 14:00	Lunch & Discussion	
14:00	End of meeting	

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