

**Join our one-day seminar Dec 6<sup>th</sup>, 2022.**

**We invite the Norwegian Health Industry!**



**The polymer experts will give you valuable insight for a successful medical device and pharma packaging development.**

Future Materials Catapult centre would like to invite you for a one-day event at Norner's location in Porsgrunn.

In 2021 we started a project in collaboration with Norner, the leading plastic expert company in Europe. The aim of the project has been to develop expertise relevant for the health industry and be able to realize a "Health Materials Expert Center-HMEC" for the Norwegian and European medical device and pharma packaging companies.

In this one-day event we would like to share the outcome of the project, -our newest expertise as well as established services to support the growth in Norwegian health industry. You will learn about the important considerations, opportunities and pitfalls related to vast amount of plastic material choices and manufacturing alternatives for plastic parts.

Who should attend:

You are developing a medical device which will encompass plastic parts.

You are developing or improving your pharma packaging product.

You need analytical testing, mechanical or chemical, for your product

You are manufacturing pharma packaging product and medical devices.

You are seeking a sustainable product solution.

We really looking forward seeing you, Tuesday, December 6th, 2022, at Norner!

**Program for the day (December 6<sup>th</sup>, 2022):**

<b>Time</b>	<b>Description:</b>	<b>Speaker:</b>
1000-1010	Registration - morning coffee served	
1010-1015	Welcome	<b>Siri</b>
	<b>Part 1 - Introduction</b>	
1015-1030	Future Materials Catapult Centre	<b>Siv</b>
1030-1100	Introduction to the project "Helsepro" New services available for the health industry	<b>Asbjørn/Siri</b>
1100-1145	Lunch - grab a bit & networking	
1145-1245	Site tour	<b>Asbjørn/Heidi</b>
	<b>Part 2 - Available services</b>	
1245-1305	Material Technology: Medical Grade Plastics	<b>Hany</b>
1305-1325	Manufacturing Technology Catapultcentre: Services relevant for healthcare industry	<b>Emma</b>
1325-1345	Mechatronic Innovation lab (MIL): Additive Manufacturing (3D printing) for healthcare industry	<b>Ole Bjørn</b>
1345-1405	Leg stretch & networking / 1-to-1 with polymer experts	
1405-1435	Plastic testing/Pharamcopeia testing: Raw material, prototype and finished parts/product	<b>Hany/Heidi</b>
1435-1455	Process development, what to consider for a high quality and cost efficient manufacturing	<b>Toralf</b>
1455-1515	Leg stretch & networking / 1-to-1 with polymer experts	
1515-1545	Sustainability: Design for low CO2 footprint and circularity	<b>Kim</b>
1545-1600	Summary of the day	<b>Siri</b>

## Registration:

Price: **FREE OF CHARGE.**

Address: Norner AS, Dokkvegen 20, Porsgrunn

Registration mail: [post@futurematerials.no](mailto:post@futurematerials.no) , send <name and company> + any food allergy

Due date: November 29th, 2022.

On-line: We recommend physical attendance for networking and interesting site tour, but the seminar will be possible to attend online. Please send us a mail if you will attend online.

Questions or more information please contact:

Siv M Emanuelsen, Future Materials – [siv@futurematerials.no](mailto:siv@futurematerials.no)

Siri Stabel Olsen, Norner – [siri.stabel.olsen@norner.no](mailto:siri.stabel.olsen@norner.no)

## The speakers:

### Norner:



**Siri Stabel Olsen**  
Business Area Director Healthcare



**Asbjørn Noraberg**  
Application Pilot Centre Manager



**Heidi Nornes Bryntesen**  
Senior Engineer



**Hany Fakhry Anwar Ph.D**  
Senior Researcher



**Toralf Hustveit**  
Senior Engineer



**Kim Hed Ph.D**  
Principal Researcher BU  
Consumables

### Mechatronic Innovation Lab:



**Ole-Bjørn Ellingsen Moe**  
Technology manager - Additive  
Manufacturing & Industrial 3D-  
Print

### Manufacturing Technology Catapult centre:



**Emma Østerbø**  
CEO - MTNC

### Future Materials Catapult centre:



**Siv M Emanuelsen**  
Account Director