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## **3R** National Workshop on **3R** in **AQUACULTURE RESEARCH**

January 20, 2022  
Nofima Ås

Register here:

<https://www.deltager.no/event/Aqua3R>

### **FREE Registration**

For more information, contact

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*Aqua3R received funding from*



**The Research Council  
of Norway**

# 3R National Workshop on in AQUACULTURE RESEARCH

## Tentative Programme

January 20, 2022

Nofima Ås

(**FREE** Registration)

830 – 900	<b>Registration</b>
900 – 915	Welcome remarks Bente Torstensen Director, Division Aquaculture
	About Aqua3R 2022 <i>Carlo C. Lazado, Nofima, Aqua3R Co-chair</i>
915 - 1000	<b>Keynote Lecture</b>  “Research without fish” <i>Speaker: TBD</i>
1000 – 1020	Advances in 3Rs in Aquaculture Research in Norway <i>Representative from Norecopa</i>
1020 – 1040	Common challenges for fish research <i>Representative from Mattilsynet</i>
1040 – 1050	<b>Break</b>
1050 – 1110	Statistical power and design of aquaculture experiments – getting the most certainty with the least fish” <i>Gareth Difford, NMBU</i>
1110 – 1130	<i>In vitro</i> models in fish health research <i>Elisabeth Ytteborg, Nofima, Aqua3R Co-chair</i>
1130 – 1150	Refinement of the rearing environment <i>Chris Noble, Nofima</i>
1150 – 1210	Fish welfare at production sites <i>Speaker: TBD</i>
1210 - 1300	<b>Lunch</b>
1300 – 1345	<b>Keynote Lecture</b>  “Humane Endpoints and Scoresheets in Aquaculture Research”

	Aurora Margrethe Brønstad, University of Bergen
1345 – 1405	Advances in fish nociception Speaker: TBD
1405 - 1415	Coffee break
1415 – 1435	Animal Welfare and 3Rs in invertebrates Philip James, Nofima
1435 – 1455	3Rs from the perspective of a research funding agency Sven Martin Jørgensen, FHF
1455 - 1500	Wrap up, End Carlo C. Lazado, Nofima, Aqua3R Co-chair

**Organised by:**



**Organising Committee:**

Carlo C. Lazado, Co-chair  
 Elisabeth Ytteborg, Co-chair  
 Grete Bæverfjord  
 Chris Noble  
 Erik Burgerhout

**This workshop received funding from:**

