



Ara h 3 from peanut<sup>1</sup>

## INNFØRING I MOLEKYLÆRALLERGOLOGISK LABORATORIEDIAGNOSTIKK (MAD)

### INTRODUCTION TO MOLECULAR ALLERGOLOGIC LAB DIAGNOSTICS

KURS/ SEMINAR FOR LEGER I SPESIALISERING, LEGESPESIALISTER,  
ANNET HELSEPERSONALE OG INTERESSERTE

**Dato/Date:** torsdag/Thursday 5. September 2019 kl. 08:30-16:00

**Sted/Venue:** Oslo, Gamle Logen, Strangersalen, Grev Wedels Plass 2

Kurset er søkt godkjent av DNLf som valgfritt kurs for legers spesialist- og etterutdanning.

Påmeldingslenke /Registration link: <https://www.deltager.no/MAD-Oslo-2019> påmeldingsfrist/registration deadline 31.7.2019

### PROGRAM / PROGRAMME

Tid/Time	Lengde/ Duration	Tema/Topic	Foreleser/Lecturer
07:45 - 08:30	45 min	Registrering / Registration	
08:30 - 08:35	5 min	Velkommen v/ avdelingsleder	John Torgils Vaage (Oslo/NO)
08:35 - 08:45	10 min	Kursforløp, organisering	Ivo Nentwich (Oslo/NO)
08:45 - 09:30	45 min	<b>Grunnlaget for molekylær allergologi</b> – basisbegreper, ekstrakt, allergen, allergenmolekyl, epitoper, sekvenshomologi, kryssreaktivitet, testsystemer IgE og cellulær, generelle indikasjoner for MAD, allergen databaser	Ivo Nentwich (Oslo/NO)
09:30 - 10:15	45 min	<b>Wheat allergens</b> and their use in molecular diagnostics in wheat allergy	Esben Eller (Odense/DK)
10:15 - 10:30	15 min	<b>KAFEPAUSE, KAFFE, FRUKT</b>	
10:30 - 11:15	45 min	<b>MAD about nuts and soy</b> molecular allergologic diagnostics in nut and soy allergy	Heimo Breiteneder (Vienna/AT)
11:15 - 12:00	45 min	<b>Fish and seafood allergy</b> Specific IgE and BAT in MAD	Annette Kuehn (Luxembourg/LU)
12:00 - 12:55	60 min	<b>LUNSJ / LUNCH</b>	
13:00 - 14:00	60 min	<b>Hovedforedrag – Keynote lecture</b> <b>Molecular allergology</b> – a revolution in allergy diagnostics, introduction to EAACI MAUG document, other MAD topics (pollen, mite, and food allergy)	Paolo Matricardi (Berlin/DE)
14:00 - 14:15	15 min	<b>KAFEPAUSE, KAFFE, KAKER</b>	

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14:15 - 15:00	45 min	<b>Uniplex, oligoplex and multiplex methods in MAD</b> , pros and cons, top-down and bottom-up approach algorithms in diagnostic workups	Paolo Matricardi (Berlin/DE)
15:10 - 15:45	35 min	<b>Veileder i laboratoriediagnostikk i allergologi</b> hjelp med indikasjon og tolkning av molekylærallergologiske analyser, mulige diagnostiske algoritmer	Vibeke Stenhaug Langaas (Trondheim/NO)
15:45 - 15:55	10 min	Spørsmål og diskusjon, kursevaluering, kursbevis	Alle deltakere
16:00	5 min	Kursets slutt	

Det tas forbehold om programendring. The programme may be subject to change.

## OUR SPEAKERS (in alphabetical order)



**Heimo Breiteneder, Prof. PhD., (Austria)** is the head of the Medical Biotechnology Division of the Department of Pathophysiology and Allergy Research, Medical University of Vienna. He cloned the cDNA of the first plant allergen, the major birch pollen allergen Bet v 1. His main research areas are the biochemical and immunological characterization of food allergens, allergen-specific recombinant antibodies, classification of allergens, and the interaction of allergens with the innate immune system. His group's research focuses on the elucidation of the mechanism of allergic sensitization and the development of new reagents for diagnosis and treatment of allergy.



**Esben Eller, MSc, PhD, (Denmark)** working as Senior Researcher at the Odense Research Center for Anaphylaxis (ORCA), Dept. of Dermatology and Allergy Centre, Odense University Hospital, Odense, Denmark mainly with focus on mechanism behind food uptake in relation to type 1 allergy and anaphylaxis, including wheat, peanuts, tree-nuts, and red meat. Supervising phd project with focus on the effect from co-factors (exercise, alcohol, NSAID), in relation to both tree-nuts and wheat (Wheat-dependent, exercise-induced, anaphylaxis, WDEIA).



**Annette Kuehn, PhD., (Luxembourg)** is group leader of the Molecular and Translational Allergology group at the Luxembourg Institute of Health, Department of Infection and Immunity. Her research focuses on the identification, isolation and characterization of allergens, which is a prerequisite for the development of diagnostic tools and therapeutic strategies of allergic disorders. Studying fish allergy as a disease model, she made major contributions to the discovery of fish allergens and their application in diagnostic phenotyping of allergic patients. Beyond clinical diagnosis, her group targets on the basic understanding of biomolecular and immunological features of allergens - with the overarching goal to address the question 'what makes an allergen an allergen?'



**Vibeke Stenhaug Langaas, MD, (Norway)** is physician, specialist in general practice and specialist in immunology. She is consultant working in diagnostic immunology and allergology at the Department of Immunology and transfusion medicine at St. Olav's University Hospital, Trondheim, Norway. Besides that, she leads the group preparing Norwegian guidelines for use and interpretation of laboratory diagnostic tests in molecular allergology for primary health care.



**Paolo Maria Matricardi, Prof. MD, (Germany)** is professor of pediatrics, affiliated to the Department of Pediatrics, Division of Pneumonology and Immunology Hospital Charité, Berlin, Germany where he is the head of the Molecular Allergology Group and the working group Molecular Allergology and Immunomodulation. His research focuses on molecular allergology and immunomodulation. Paolo Matricardi is one of the editors of the EAACI Molecular Allergology User's Guide (MAUG) Document.



**Ivo Nentwich, MD, Ph.D., (Norway)** is immunologist / allergist at the Department of Immunology and Transfusion Medicine at the Oslo University Hospital and is responsible for laboratory diagnostics in allergic diseases. His R&D projects aim at mapping pollen and food molecular sensitization profiles in population samples as well as assessing basophil reactivity to extracts and single allergen molecules in patients with food and pollen allergy.