

# Best Nordic Paper Awards

Submit your manuscript by October 1 to be considered for the Best Nordic Paper Awards 2021 (NOK 125,000). More information on these and other awards can be found on our webpage, [oftalmolog.com](http://oftalmolog.com)

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**#NeverStopLearning**

## Evaluation Committee 2020



**Madeleine Zetterberg, MD, PhD, Professor of Ophthalmology, Senior Consultant, Department of Ophthalmology Sahlgrenska University Hospital Institute of Neuroscience and Physiology University of Gothenburg, Sweden**



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**Dong Feng Chen, Associate Professor Schepens Eye Research Institute/ Massachusetts Eye and Ear, Department of Ophthalmology, Harvard Medical School, Boston, US**

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**Anders Ivarsen, MD, PhD, Department of Clinical Medicine - Department of Ophthalmology, Aarhus University Hospital, Århus, Denmark**



**Yrsa Yngvadóttir, Ophthalmology resident at Landspítali, The National University Hospital of Iceland**



We are grateful to our committee for their diligence in evaluating the great work of their peers.

The following articles were excluded from evaluation at the request of the authors:

- "In the middle of (K)nowhere where medicine, science, and discovery come together."  
by Kai Kaarniranta
- "Professor Kai Kaarniranta – appointed new chief editor of Acta Ophthalmologica."  
by Szabolcs Felszeghy, Mikko Liukkonen, and Tor Paaske Utheim

GOLD

BEST PAPER AWARDS



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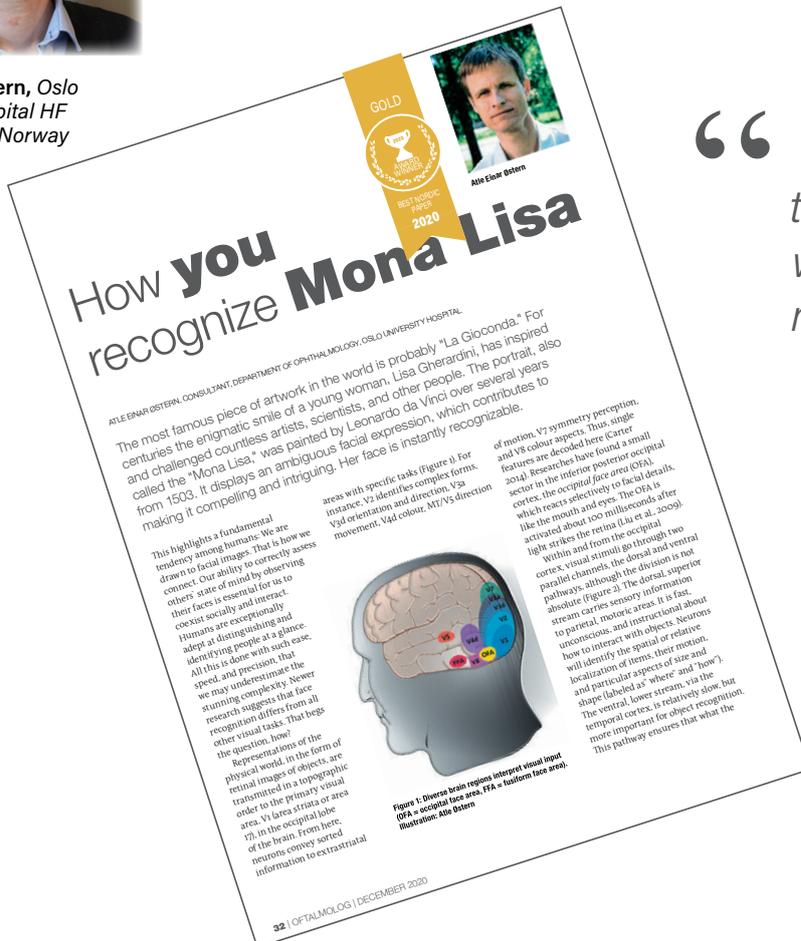
Atle Einar Østern, Oslo University Hospital HF (Ullevål), Oslo, Norway

# First Prize

## Award of NOK 80,000

### KEY POINTS

- Our ability to correctly assess other people by observing their faces is essential for us to connect and interact socially.
- Face recognition differs from all other visual tasks, with an occipital face area that reacts selectively to facial details and a temporal fusiform face area that reassembles defragmented signals.
- The human attention to faces is so strong that we detect facial patterns even where none exists.
- A vital part of the facial analysis is the encoding of emotional content by the amygdala.
- A parietal memory network is activated if faces are familiar, allowing faster recognition, but the recollection process can be erratic, leading to false memories and mistakes in identifying other people.



“ I am very grateful for this inspirational prize, which made me smile more than Mona Lisa! ”



The full article can be found on our website at [www.oftalmolog.com/articles/](http://www.oftalmolog.com/articles/) For direct access, scan the QR code.

# Second Prize

Award of NOK 30,000



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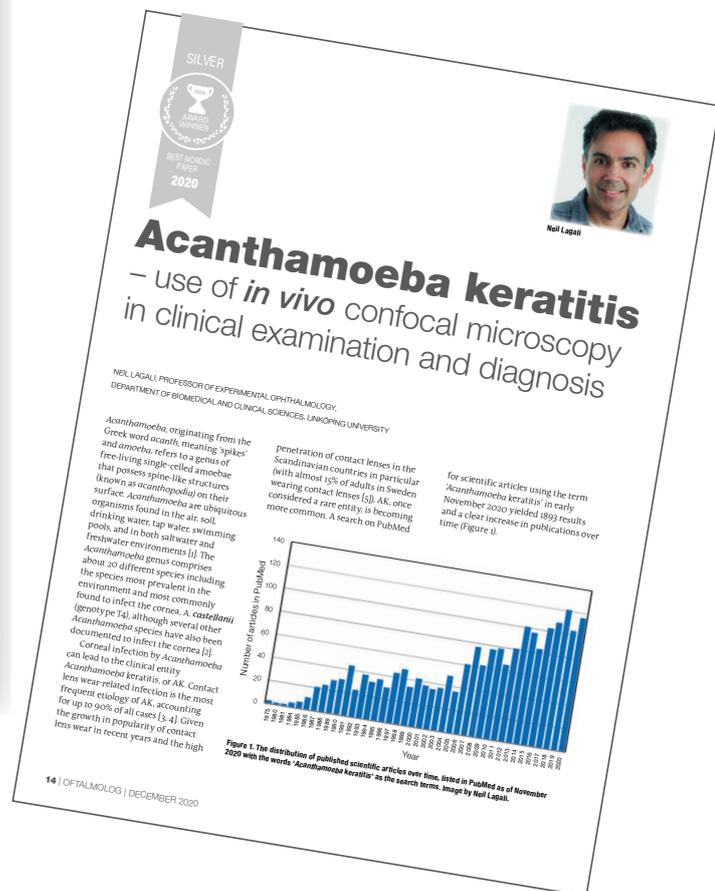


Neil Lagali, Experimental Ophthalmology, Department of Biomedical and Clinical Sciences, BKV

“ I am honored and humbled to receive this award from Oftalmolog. Cases of Acanthamoeba keratitis have been increasing in recent years, and I am grateful for the opportunity to describe our experiences in detection and diagnosis, in the hope that it can help clinics in the management of this difficult and serious condition. ”

## KEY POINTS

- Cases of Acanthamoeba keratitis are rising, particularly in the Nordic countries.
- Detection of Acanthamoeba by culture or PCR methods is sample-dependent and time consuming.
- In vivo confocal microscopy (IVCM) is a rapid diagnostic tool capable of detecting Acanthamoeba at various stages in its life cycle.
- IVCM must be performed methodically, repeatedly, and ideally by operators and observers trained in image interpretation.
- Good clinical management of suspected (and confirmed) Acanthamoeba infections should include IVCM as part of an integrated strategy.



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# Third Prize

Award of NOK 15,000

“ We are extremely honored and grateful for the recognition that the shared bronze award presents. As a research team, it is appreciative and motivating to see our work getting rewarded and it pushes us to be even more curious and hardworking for future research projects. ”



**Alvilda T. Steensberg,**  
Department Of Drug Design And Pharmacology, University Of Copenhagen, Denmark



**Ane Sophie Olsen,**  
Departments Of Ophthalmology, Rigshospitalet-Glostrup, Copenhagen, Denmark



**Miriam Kolko,**  
Department of Ophthalmology, Copenhagen University Hospital

## KEY POINTS

- Autoperimetry is the gold standard when examining a patient’s visual field, but both the equipment and medical professionals’ time required are costly.
- Glaucoma presents with visual field defects but is often asymptomatic until advanced stage.
- Using internet-based perimetry as a screening method for glaucoma could potentially reduce blindness and reduced vision from the disease.
- There are some challenges to standardize internet-based perimetry, including ensuring pupil fixation, avoiding head movements, and unifying light intensity.
- Internet-based perimetry has been tested as a screening method but has not yet been validated for professional use.

The full article can be found on our website at [www.ofthalmolog.com/articles/](http://www.ofthalmolog.com/articles/) For direct access, scan the QR code.



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Zaynab Ahmad Mouhammad, Department Of Drug Design And Pharmacology, University Of Copenhagen



Daniel Tiedemann, Department Of Drug Design And Pharmacology, University Of Copenhagen

Steffen Heegaard, Departments Of Ophthalmology, Copenhagen University Hospital, Rigshospitalet-Glostrup, Copenhagen, Denmark



Miriam Kolko, Department Of Drug Design And Pharmacology, University Of Copenhagen, Departments Of Ophthalmology, Copenhagen University Hospital, Rigshospitalet-Glostrup, Copenhagen, Denmark



“ We are very grateful for this award and humbly thank the evaluation committee for acknowledging this article as valuable information in this unique time during the pandemic, in which we as clinicians were forced think 'outside the box.' ”

KEY POINTS

- SARS CoV-2 has a higher potential of spreading compared to other coronaviruses.
■ Previous coronaviruses show that the risk of contracting SARS-CoV-2 is increased in hospitals.
■ SARS CoV-2 causes different symptoms from multiple organs, including conjunctival congestion. Thus, COVID-19 should always be considered as a differential diagnosis during the pandemic.
■ As former coronaviruses have led to severe sight-threatening diseases in other species, we cannot rule this out with SARS CoV-2 as well.
■ Since many sight-threatening diseases are found in the elderly, ophthalmologists have a responsibility to take extra precautions.



The full article can be found on our website at www.oftalmolog.com/articles/ For direct access, scan the QR code.



**Jakob Grauslund**, Department of Ophthalmology, Odense University Hospital; Department of Clinical Research, University of Southern Denmark; & Steno Diabetes Center Odense, Odense, Denmark.



“ I am deeply honored and grateful for this prize. Thank you for considering me among the many high-quality contributions in Ophthalmolog. ”

**KEY POINTS**

- Diabetic retinopathy (DR) screening can detect sight-threatening complications before irreversible vision loss.
- The national Danish DR-screening program screens more than 100,000 patients each year.
- Most patients are screened by ophthalmologists, but hospital-based screening is offered for many patients with type 1 and complicated type 2 diabetes.
- Steno Diabetes Center Odense (SDCO) established DR-screening in 2019, as part of a regional collaboration between 7 diabetes departments and the Department of Ophthalmology at Odense University Hospital. Over 7,000 patients are screened annually, many as part of a same-day-initiative with examinations for multiple diabetes complications.
- A virtual learning platform (VIOLA), implemented as part of the DR-screening at SDCO, is becoming a national and international DR-learning course.

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