Preliminary Program - FRIDAY

**NON EXUDATIVE MNV**
*Chair: Eric Souied*

**Moderators: Francesco Faraldi, Giuseppe Querques**

- **8:00-8:07** Nadia Waheed - Vascularized drusen and long term follow up
- **8:07-8:14** Giuseppe Querques - Incidence and nature of neovascularization in the fellow eye of patients with exudative Type 3 MNV: a long term analysis in the era of advanced

- **8:14-8:21** Eric Souied - Asymptomatic CNV in the fellow eye
- **8:21-8:28** Alexandra Miere - Nascent Type 3 Neovascularization

- **8:28-8:38 Discussion**

**NEOVASCULAR VS EXUDATIVE AMD - IS THIS IMPORTANT FOR FUTURE THERAPIES?**
*Chairs: Daniel Pauleikhoff, Leonardo Mastropasqua*

**Moderators: Daniela Bacherini, Lisa Toto**

- **8:38-8:45** David Sarraf - Spectrum of exudative non-neovascular AMD (NEAD)
- **8:45-8:52** Richard Spaide - Spectrum of neovascular AMD (MNV) and imaging biomarkers
- **8:52-8:59** Alain Gaudric - MacTel Type 2 by OCT and OCTA
- **8:59-9:06** Daniel Pauleikhoff - Transformation of MNV during anti-VEGF therapy - what are future challenges?

- **9:06-9:13 Discussion**

- **9:13-9:20** Stanislao Rizzo - Advanced treatments in severe retinal diseases
- **9:20-9:23** Stanislao Rizzo - Introduction to José Alain Sahel

**9:23-9:38** **OPTOGENETICS TODAY AND TOMORROW**
*GUEST OF HONOR: José Alain Sahel*

**UPDATE ON EXUDATIVE MACULOPATHY**
*Chairs: Marco Rispoli, Giuseppe Querques*

- **9:38-9:45** Dinah Zur - Update on treatment of diabetic macular edema
- **9:45-9:52** David Sarraf - Intravitreal Brolucizumab Therapy: Can Ultra Widefield FA Identify Patients at Risk of Severe Vision Loss?
- **9:52-9:59** Eric Souied - Brolucizumab: the French experience
- **9:59-10:06** SriniVas Sadda - SHRM and PED in the HAWK and HARRIER Studies
- **10:06-10:13** Marion Munk - Standardization of OCTA nomenclature in retinal diseases

- **10:13-10:20 Discussion**
Preliminary Program - FRIDAY

10:20-11:20 COFFEE BREAK

BREAK SYMPOSIUM
OCT-A INNOVATIONS: DEEPER, WIDER AND BEYOND OPHTHALMOLOGY
Moderator: Sandrine Zweifel
10:20-10:35 Marion Munk - Wide-field multi-modal imaging
10:35-10:50 Corinne Dot - OCT-A metrics variations
10:50-11:05 Sandrine Zweifel - Beyond Ophthalmology
11:05-11:20 Discussion

ARTIFICIAL INTELLIGENCE 1
Chairs: Anat Loewenstein, Paolo Lanzetta
Moderators: Dafna Goldenberg, Dinah Zur, Maria Cristina Savastano
11:20-11:27 Ursula Schmidt-Ehrfurt - The current and future status of Artificial Intelligence in Retina
11:27-11:34 Usha Chakravarthy - Impact of macular fluid volume fluctuations on visual acuity during anti-VEGF therapy in eyes with nAMD
11:34-11:41 Eric Souied - Artificial Intelligence to Stratify Severity of Age-Related Macular Degeneration (AMD) and Predict Risk of Progression to Late AMD
11:41-11:48 Roy Schwartz - Unlocking the mystery of reticular pseudodrusen with AI
11:55-12:02 Peter Campbell - Lessons learned from deep learning in retinopathy of prematurity
12:02-12:12 Discussion

HIGHLIGHTS ON OCTA
Chairs: Yali Jia, Gianluca Manni
Moderator: Giuseppe Querques

LIVE SURGERIES

10:00 - 10:40 MEET THE EXPERT
12:00 - 12:40 MEET THE EXPERT
Preliminary Program - FRIDAY

12:19-12:26 Amani Fawzi - 3D-PROCTA application to CNV: what we learned about lesion complexity
12:26-12:33 Xiaoyan Ding - Quantitative projection-resolved outer retinal angiogram in determining activity of myopic CNV
12:33-12:40 Toco Y Chui - Dynamics of Microvascular Intermittent Flow in Sickle Cell Retinopathy Revealed by Serial OCTA
12:40-12:47 Yali Jia - Deep learning-based signal-independent assessment of macular avascular area on OCTA
12:47-12:54 Joseph Carroll - Use and Interpretation of OCTA Imaging
12:54-13:04 Discussion

BRUNO LUMBROSO LECTURE
13:04-13:07 Quan Dong Nguyen – Introduction to Bruno Lumbroso Lecture

13:30-14:45 LUNCH

LUNCH SYMPOSIA

DEX IMPLANT BENEFITS IN DME PATIENTS’ MANAGEMENT
Chairs: Francesco Bandello, Edoardo Midena
13:35-13:40 Francesco Bandello, Edoardo Midena - Introduzione
13:40-13:55 Edoardo Midena - The inflammatory rationale behind DME
13:55-14:05 Stela Vujosevic - Clinical case 1
14:05-14:15 Marco Lupidi - Clinical case 2
14:15-14:25 J. Chhablani - Pratical consideration: what we have learned in 5 years
14:25-14:30 Discussion

ADVANCES IN IMAGING TECHNOLOGY
Chair: James Fujimoto
Moderators: Bruno Lumbroso, Marco Rispoli
14:45-14:52 Richard Rosen - Multimodal Cellular Imaging of Macular Hyalocytes: Clinical OCT with Adaptive Optics SLO Interpretation
14:52-14:59 Ravi S. Jonnal - Human photoreceptor optoretinography: methods and mechanisms
14:59-15:06 Michael Pircher - Challenges in adaptive optics OCT imaging

13:35 - 14:25 SYMPOSIUM

INNOVATIONS IMPACTING RETINA SURGERY DISCUSSIONS ABOUT MODERN RETINA SURGERY
Moderator: Stanislao Rizzo
Speakers: Carl Claes, Ramin Tadayoni
13.40-13.50 Angelo Spadaro - New formulations for intraocular dyes: purity alerts
13.50-14.00 Mario Romano - Vitreos Lutein versus Triamcinolone: comparison of cytotoxic assays
14.00-14.10 TBC - How to choose between ILM staining and ERM staining
14.10 -14.25 Q&A
Preliminary Program - FRIDAY

**MACULOPATHIES: THE BAD CASES, THE RIGHT APPROACH**
Chair: Paolo Lanzetta
Moderators: Anat Loewenstein, Ursula Schmidt-Erfurth
15:37-15:44 Yves Salomon Cohen - Overview of subretinal macular deposits
15:44-15:51 Paolo Lanzetta - Subfoveal hemorrhage during wet age-related macular degeneration
15:51-15:58 Jay Chhablani - Macular telangiectasia type 1
15:58-16:05 Ramin Tadayoni - Optic disc pit maculopathy
16:05-16:12 Nadiya Waheed - Management of high risk eyes against conversion to exudative age-related macular degeneration
16:12-16:19 Daniele Veritti - Retinitis pigmentosa-associated cystoid macular edema
16:19-16:30 Discussion

**SYMPOSIUM**
**UNLOCKING THE POTENTIAL FOR Q16 DOSING FOR YOUR PATIENTS: FLEXIBILITY, LONG-TERM EFFICACY, AND SAFETY OF AFLIBERCEPT**
Moderators: Francesco Bandello, Francesco Faraldi
15:30-15:33 Francesco Bandello, Francesco Faraldi - Introductions and welcome
15:33-15:41 Lisa Toto - Durability that works: Proactive, extended dosing in wAMD
15:41-15:45 Q&A - Francesco Bandello, Francesco Faraldi, Lisa Toto
15:45-15:54 Elisabetta Pilotto - Fluid in nAMD: A pragmatic approach
15:54-15:58 Q&A - Francesco Bandello, Francesco Faraldi, Elisabetta Pilotto
15:58-16:07 Sebastian Waldstein - What is on the horizon for ophthalmology?
16:07-16:11 Q&A - Francesco Bandello, Francesco Faraldi, Sebastian Waldstein
16:11-16:20 Francesco Bandello, Francesco Faraldi - Summary and close

16:20-17:15 COFFEE BREAK
Preliminary Program - FRIDAY

## Break Symposium
### Fundus Imaging Innovations: Deeper, Wider, Faster, and More Intelligent

**Moderator:** Edoardo Midena

- **16:30-16:40** Giovanni Staurenghi - When UWF Fluorescein Angiography support OCTA
- **16:40-16:50** Barbara Parolini - Fundus imaging without compromise
- **16:50-17:00** Giuseppe Querques - Ultra-widefield Fluorescein Angiography
- **17:00-17:15** Discussion

## Controversies and Challenges in Retina: Debates of the Year

**Chair:** Quan Dong Nguyen

**Moderators:** Paolo Lanzetta, Marco Rispoli

**The Debaters:**
- Diana V. Do, Judy E. Kim, Darius M. Moshfeghi, Quan Dong Nguyen, Yasir J. Sepah

**The Questions:**
- 17:15-17:22 Should Anti-VEGF Therapy Be First-Line Treatment for NPDR?
- 17:22-17:25 Televote
- 17:25-17:32 Should All Fluids Be Eliminated in the Management of Neovascular AMD?
- 17:32-17:35 Televote
- 17:35-17:42 Is OCTA Helpful and Necessary for the Busy Retina Specialists?
- 17:42-17:45 Televote

## Symposium
### Recent Advances and Key Learnings in Geographic Atrophy

**Panel:** Giovanni Staurenghi, Adnan Tufail, Srinivas Sadda

- **17:30-17:32** Giovanni Staurenghi - Introduction
- **17:32-17:44** Adnan Tufail - Understanding GA and the role of complement
- **17:44-17:49** Panel discussion
- **17:49-18:01** Srinivas Sadda - Key learnings from previous trials in GA
- **18:01-18:06** Panel discussion

## Special Event
### Live Surgery and Symposia

December 17 and 18, 2021

Rome - Cavalieri Congress Center
THE EYE AS A WINDOW TO SYSTEMIC DISEASES
Chair: Sandrine Zweifel, Stefano Bonini

ICOLOR Hall

17:45-17:52 Mario Damiano Toro - Microvascular impairment in systemic sclerosis
17:52-17:59 Maria Cristina Savastano - Are eyes the window to COVID-19?
17:59-18:06 Sandrine Zweifel - At the pulse of time: machine vision in retinal videos
18:06-18:13 Tien Y Wong - Assessment of cardiovascular disease risk via the measurement of retinal-vessel calibre
18:13-18:20 TBC - Alzheimer’s Disease, Dementia and the Eye / Retinal imaging in Alzheimer’s and neurodegenerative diseases
18:20-18:27 Alessandro Invernizzi - Ocular manifestations of infectious diseases
18:27-18:37 Discussion

18:37 END OF THE SESSIONS

FLORetina Hall

18:06-18:18 Giovanni Staurenghi - Recent advances in GA clinical trials
18:18-18:23 Panel discussion and Q&A
18:23-18:25 Giovanni Staurenghi - Summary and close

18:25 END OF THE SESSIONS

BELLE ARTI HALL

CARAVAGGIO HALL
Preliminary Program - SATURDAY

RETINAL IMAGING IN DIABETIC MACULAR EDEMA AND DIABETIC RETINOPATHY

**Chairs: Francesco Bandello, Giuseppe Querques**

**Hall:** BELLE ARTI HALL

- **8:00-8:06** Dafna Goldenberg - Baseline imaging biomarkers in diabetic macular edema
- **8:06-8:12** Francesco Bandello - Long-term visual outcomes in DME patients treated with anti-VEGF
- **8:12-8:18** Ramin Tadayoni - The role of OCTA in diabetic retinopathy and diabetic macular edema
- **8:18-8:24** Srinivas Sadda - The importance of a widefield assessment in diabetic retinopathy
- **8:24-8:30** Ursula Schmidt-Erfurth - Deep learning to quantify diabetic macular edema
- **8:30-8:36** Stela Vujosevic - Fundus autofluorescence has a role in diabetic retinopathy and diabetic macular edema
- **8:36-8:41** Discussion

ALTERED CHOROID-ASSOCIATED MACULAR DISEASES

**Chairs: José María Ruiz Moreno, Francesca Simonelli**

- **8:41-8:47** Suzanne Yzer - Image subfoveal staphylomas complicated by subretinal fluid by OCTA
- **8:47-9:53** Francine Behar-Cohen - Hyperpermeability in CSCR-correlation with OCT findings
- **9:53-9:59** Jay Chhablani - OCTA in Central Serous Chorioretinopathy
- **9:59-10:05** Rufino Silva - Polypoidal Choroidal Vasculopathy and OCTA
- **10:05-10:11** José María Ruiz Moreno - Myopic maculopathy: poor prognostic findings in OCT and OCTA
- **10:11-10:16** Discussion

UP DATE ON NEW TREATMENTS

**Moderator: Benedetto Falsini, Francesco Faraldi**

- **9:16-9:22** Amani Fawzi - Macular Vascular Diseases
- **9:22-9:28** Federico Ricci - Dry AMD
- **9:28-9:34** Angelo Maria Minnella - Retinal Morpho-Functional Changes Following 0.19mg Fluocinolone Acetonide Intravitreal Implant for Chronic Diabetic Macular Edema
- **9:34-9:40** Francesca Simonelli - Macular Dystrophies
- **9:40-9:46** Luca Di Antonio - DME Long term treatment with Fluocinolone Acetonide
- **9:46-9:52** Daniela Bacherini - Multimodal imaging in the treatment of macular diseases
- **9:52-9:58** Massimo Nicolò - PERSEUS-IT: Italian routine clinical practice with intravitreal Aflibercept therapy in patients with Neovascular Age-Related Macular Degeneration (nAMD)
- **9:58-10:03** Discussion

LIVE SURGERIES

**FREE PAPERS**

**MODERATORS: Maria Cristina Savastano, Alessandro Invernizzi, Mariacristina Parravano**

- **9:30-9:35** Mojtaba Abrishami, Kiana Hassanpour, Seyedeh Maryam Hosseini - Peripapillary Nerve Fiber Layer Thickness and Optic Nerve Head Parameters in Patients Recovered from COVID-19: A Longitudinal Study
- **9:35-09:40** Mojtaba Abrishami, Kiana Hassanpour, Seyedeh Maryam Hosseini - Macular Vessel Density Reduction in Patients Recovered from COVID-19: A Longitudinal Optical Coherence Tomography Angiography Study
- **9:40-9:45** Thomas Theelen, Timo Mulders, Patty Dhooge, Carol B. Hoyng - Automated Photoreceptor Counting on Retinal High Magnification Images in Healthy and Pathological Conditions
- **9:55-10:00** Elias Khalili Pour, Roya Arian, Tahereh Mahmoudi, Hamid Riazi-Esfahani, Rahele Kafieh, Hooshang Faghihi, Ahmad Mirshahi, Fariba Ghassemi, Alireza Khodabande - Automatic Choroid Vascularity Index Calculation in Optical Coherence Tomography Images low contrast sclerochoroidal junction Using Deep Learning
Preliminary Program - SATURDAY

**BELLE ARTI HALL**

**10:05-10:50** COFFEE BREAK

**10:05-10:50** BREAK SYMPOSIUM

NEW IMAGING SOLUTIONS : WIDE FIELD IMAGING AND AI IN DAILY CLINICAL PRACTICE

10:05-10:20 **Paulo E. Stanga** - Cross-Sectional, 3D and Topographic Wide field Optical Coherence Tomography (OCT) Imaging of the Peripheral Retina and Vitreoretinal Interface and Assessment of the status of the Posterior Cortical Vitreous

10:20-10:35 **Barbara Parolini** - Wide field OCT AND OCTA IN THE Choroidal disease

10:35-10:50 **Tariq Aslam** - Combining Human and Artificial Intelligence for widefield OCT-A

VISIONS OF FUTURE BY INDUSTRY AND ENGINEERS

PART 1

Chair: **Marco Rispoli**

10:50-10:57 **Arkadiusz Chalecki** - Update on REVO Series. New function on the mark

10:57-11:04 **Angelo Rago** - Shaping the future of Imaging: New Innovations in OCT

11:04-11:11 **Daniele Mantovano** - Establishing the next level of eye care

11:11-11:18 **Riccardo Ferraris de Gaspare** - Symbiosis between Technology and Society

11:18-11:25 **Ori Zahavi** - Wide field OCT in daily practice

11:25-11:32 **Peter Larsen**

11:32-11:39 TBC

**PART 2**

Chair: **Francesco Faraldi**

11:39-11:46 **Adel Benchelkh** - Made For Life

11:46-11:53 **Francesco Bandello** - Clinical and Efficacy Outcomes of the NORSE TWO. Pivotal Study for ONS-5010, an Ophthalmic Formulation of Bevacizumab

11:53-12:00 **Bartosz L. Sikorski** - AI in OCT segmentation for posterior and anterior segment

12:00-12:07 **Jean Francois Korobelnik** - Advancements in multi-modal imaging

12:07-12:14 **Max Akiba**

**10:50-10:55** **Elias Khalili Pour, Mohammad Zarei, Tahereh Mahmoudi, Hamid Riazi-Esfahani, Behnam Mousavi, Nazanin Ebrahimiaibid, Mehdi Yaseri, Hossein Arbabialbeik** Automated measurement of iris surface smoothness using anterior segment optical coherence tomography

10:55-11:00 **Ioannis Theocharis, Nikos Lagaros** - Model analysis of the posterior pole mechanics simulating ocular movements

11:00-11:05 **Zeinab El Sanabary** - OCTA versus FA for Evaluating the Retinal and Choroidal Microvascular Changes in Sarcoid and Tuberculous Posterior Uveitis

**MODERATORS:** Daniela Bacherini, Marco Lupidi, Stela Vujosevic

11:05-11:10 **Nihal Adel Hassan, Dina Osama** - OCT angiogram using swept source Optical Coherence Tomography in patients of systemic lupus erythematosus

11:10-11:15 **Maria Vittoria Cicinelli, Alessandro Rabiolo, Giovanni Montesano, Alessandro Marchese, Costanza Barresi, Ugo Introni, Maurizio Battaglia Parodi, Francesco Bandello** - Prognostic implications of repair tissue proliferation in eyes with retinal pigment epithelium tears

11:15-11:20 **Zeinab El Sanabary** - OValue of En-Face Reflectance Images & structural OCT scans in the Interpretation of OCTA

11:20-11:25 **Gilda Cennamo, Daniela Montorio** - Octa findings in amyotrophic lateral sclerosis

11:25-11:30 **Claudio Iovino, Enrico Peiretti, Mirco Braghiroli, Filippo Tatti, Abhilasha Aloney, Michele Lanza, Jay Chhablani** - OCTA of the Iris: Current Limitations and Future Perspective

11:30-11:35 **Matteo Ripa** - Retromode Imaging Modality of Epiretinal Membranes

**FLORetina Hall**

**10:05-10:50** COFFEE BREAK

**10:50-10:55** **Elias Khalili Pour, Mohammad Zarei, Tahereh Mahmoudi, Hamid Riazi-Esfahani, Behnam Mousavi, Nazanin Ebrahimiaibid, Mehdi Yaseri, Hossein Arbabialbeik** Automated measurement of iris surface smoothness using anterior segment optical coherence tomography

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**11:30-11:35** **Matteo Ripa** - Retromode Imaging Modality of Epiretinal Membranes
Preliminary Program - SATURDAY

**ARTIFICIAL INTELLIGENCE 2**
Chair: Ursula Schmidt-Erfurth
Moderator: Maria Cristina Savastano

12:14-12:20 Ursula Schmidt-Erfurth - Managing AMD using Artificial Intelligence tools

12:20-12:26 Hrvoje Bogunovic - Geographic Atrophy and Artificial Intelligence: Disease activity and prediction of progression

12:26-12:32 Anat Loewenstein - Fluid monitoring at home

12:32-12:38 Gregor Reiter - Guiding therapy of neovascular AMD in the real world

12:38-12:44 Amitha Domalpally - Humans versus Artificial Intelligence: pros and cons

12:44-12:50 David Huang - OCTA and Artificial Intelligence

12:50-12:55 Discussion

12:55-12:59 Domenico Lepore - Introduction to Darius M. Mosfeghi

12:59-13:14 Darius M. Mosfeghi - Initial Results from the Longitudinal Retinopathy of Prematurity (LONG-ROP). Study of telemedicine comparison to investigator recall of patient findings

**WIDE FIELD OCTA : VALUE AND LIMITATIONS IN DETECTING CAPILLARY NON-PERFUSION**
Chairs: Alain Gaudric, Teresio Avitabile
Moderator: Paolo Lanzetta

13:14-13:20 Nadia Waheed - Progress and limitations in measuring capillary density with WF OCTA: what can we expect in a near future?

13:20-13:26 Marion Munk - Repeatability of Wide-field Optical Coherence Tomography Angiography in Normal Retina

13:26-13:32 Edoardo Midena - Wide field multimodal imaging in retinal disorders

13:32-13:38 Francesco Pichi - Wide-field optical coherence tomography angiography for the detection of proliferative diabetic retinopathy

13:38-13:44 Marco Pellegrini, Giovanni Staurenghi - Comparison of wide field OCTA with extended field imaging and fluorescein angiography

13.00-14.00 LUNCH SYMPOSIUM
RETINAWS
13:44-13:50 Aude Couturier - Comparison of vascular density loss in the midperiphery and macula in WF OCTA to assess the severity of diabetic retinopathy

13:50-13:56 Giuseppe Querques - Ultra-Widefield imaging in everyday

13:56-14:00 Discussion

13:00-14:00 SYMPOSIUM
RETINAWs

14:00 FINGER LUNCH

IMAGE GALLERY
Joseph Carroll, Brandon Lujan
Most interesting OCT or OCT Angiography images will roll through on a monitor in the exhibit area throughout the meeting and will be seen daily by all participants. Dr. Joseph Carroll and Dr. Brandon Lujan will select a winner from the submitted cases to receive a prize at the close of the meeting.