

## Tuesday April 18, 2023

5:00-  
8:00  
am

VIRTUAL Tutorial

**Dr. Ruud J.G. van Sloun & Dr. Yonina C. Eldar** *Artificial Intelligence in Ultrasound Imaging*

8:00-18:00	Registration (FOYER)							
Rooms	(SALÓN BARAHONA 3- 401 ppl)	(SALÓN BARAHONA 4- 360 ppl)	(SALÓN BARAHONA 2- 285 ppl)	(SALÓN BARAHONA 1- 269 ppl)	(SECRETARIA GENERAL- 130 ppl)	(SALÓN ARSENAL- 130)	(PEGASOS- 200 ppl)	<b>VIRTUAL PLATFORM</b>
9:00-10:30	Industrial Day  (SALÓN BARAHONA 3)	Challenge 1  Out-of-Domain Synapse Detection for Microwasp Brain Connectomes  (SALÓN BARAHONA 4)	Challenge 2 pt I  Edited Magnetic Resonance Spectroscopy Reconstruction  (SALÓN BARAHONA 2)	Challenge 3 pt I  Robust Non-rigid Registration for Expansion Microscopy  (SALÓN BARAHONA 1)		Tutorial 2 pt I  Computational MRI in the Deep Learning Era: The two facets of acquisition and image reconstruction  (SALÓN ARSENAL)	Tutorial 1 pt I  Vision-Language Multi-modal Learning for Biomedical Images  (PEGASOS)	
10:30-11:00	Coffee Break							
11:00-12:30	Industrial Day  (SALÓN BARAHONA 3)	Challenge 9 XPRESS: Xray Projectomic Reconstruction (SALÓN BARAHONA 4)	Challenge 2 pt II  (SALÓN BARAHONA 2)	Challenge 3 pt II  (SALÓN BARAHONA 1)		Tutorial 2 pt II  (SALÓN ARSENAL)	Tutorial 1 pt II  (PEGASOS)	
12:30-14:00	Industrial Day Matchmaking Lunch							
14:00-15:30	Industrial Day  (SALÓN BARAHONA 3)	Challenge 5 AND 6 pt I SMILE-UHURA (5) & SHINY-ICARUS (6)  (SALÓN BARAHONA 4)	Challenge 4 pt I  Image Analysis for CTA Endovascular Stroke Therapy  (SALÓN BARAHONA 2)	Challenge 8 pt I  A Paired CT-MRI Dataset for Ischemic Stroke Segmentation  (SALÓN BARAHONA 1)		Challenge 10 pt I  PAIP 2023: Tumor Cellularity Prediction in Pancreatic and Colon Cancer  (SALÓN ARSENAL)	Tutorial 3 pt I Mapping neural correlations of cognitive processes through task based functional Magnetic Resonance Imaging  (PEGASOS)	Challenge 7 pt I  CEPHA29: Automatic Cephalometric Landmark Detection  <b>VIRTUAL</b>
15:30-16:00	Coffee Break							
16:00-17:30	Industrial Day  (SALÓN BARAHONA 3)	Challenge 5 AND 6 pt II  (SALÓN BARAHONA 4)	Challenge 4 pt II  (SALÓN BARAHONA 2)	Challenge 8 pt II  (SALÓN BARAHONA 1)		Challenge 10 pt II  (SALÓN ARSENAL)	Tutorial 3 pt II  (PEGASOS)	Challenge 7 pt II  <b>VIRTUAL</b>
17:30-17:45	Break							
17:45-18:00	Introductory remarks (AUDITORIUM)							
18:00-19:00	Keynote 1 <b>Marcel Van Herk</b> <i>Image Guided Radiotherapy - From Bench to Bedside</i> (AUDITORIUM)							
19:00	Welcome Reception (TERRAZA DEL CLAUSTRO)							

## Wednesday April 19, 2023

### VIRTUAL Special Session

**Dr. Camille Maumet** *10 Years of Reproducibility in Biomedical Research: How Can We Achieve Generalizability and Fairness?*

6:30-8:00 am	Registration (FOYER)						
8:00-18:00	The Quality Mind Experience (SECTETARÍA GENERAL)						
7:00-7:30	The Quality Mind Experience (SECTETARÍA GENERAL)						
7:30-8:00	Opening Ceremony (AUDITORIUM)						
8:30-9:00	Keynote 2 <b>Dr. Sanmi Koyejo</b> <i>Trustworthy Machine Learning</i> (AUDITORIUM)						
9:00-10:00	Coffee Break						
10:00-10:30	Poster Session 1 (FOYER DE AUDITORIUM, HALL DE EXPOSITIONS, LOBBY DE BARAHONA)						
10:30-11:30	Poster Session 1 (FOYER DE AUDITORIUM, HALL DE EXPOSITIONS, LOBBY DE BARAHONA)						
Rooms	(SALÓN BARAHONA 3- 401 ppl)	(SALÓN BARAHONA 4- 360 ppl)	(SALÓN BARAHONA 2- 285 ppl)	(SALÓN BARAHONA 1- 269 ppl)	(SECRETARIA GENERAL- 130 ppl)	(SALÓN ARSENAL- 130 ppl)	(PEGASOS- 200 ppl)
11:30-13:00	Special Session 1  Artificial Intelligence in Cancer Imaging: Results from the AI4HI European Program  (SALÓN BARAHONA 3)	Tutorial 4 pt I  Diffusion models: foundations & applications in biomedical imaging  (SALÓN BARAHONA 4)	Tutorial 5 pt I  Recent Advances in Machine Learning for Image Reconstruction  (SALÓN BARAHONA 2)	Oral 2: Pathology  (SALÓN BARAHONA 1)		Oral 3: Ultrasound  (SALÓN ARSENAL)	Oral 1: MRI  (PEGASOS)
13:00-14:30	Lunch with Leaders (CLAUSTRO DE LAS ANIMAS)						
14:30-16:00	Special Session 2  How image computing can make a real impact in the radiotherapy workflow (SALÓN BARAHONA 3)	Tutorial 4 pt II  (SALÓN BARAHONA 4)	Tutorial 5 pt II  (SALÓN BARAHONA 2)	Special Session 4  Geometric Deep Learning in Medical Imaging  (SALÓN BARAHONA 1)		Special Session 5  Advanced Photoacoustic Imaging  (SALÓN ARSENAL)	Special Session 3  Bimodal functional neuroimaging data fusion  (PEGASOS)
16:00-16:30	Coffee Break						
16:30-17:30	Oral 4: MRI  (SALÓN BARAHONA 3)	Oral 5: CT  (SALÓN BARAHONA 4)	Oral 6: Pathology  (SALÓN BARAHONA 2)	Oral 7: RGB  (SALÓN BARAHONA 1)		Oral 8: PET  (SALÓN ARSENAL)	
Evening	Cultural Evening (ESPLANADA SAN FRANCISCO)						

## Thursday April 20, 2023

6:00-7:00 am	VIRTUAL Keynote 1 <b>Dr. Islem Rekik</b> <i>A Multidimensional Prediction of Brain Roadmaps from Images to Graphs</i>						
7:00-8:00 am	VIRTUAL Poster Session 1						
8:00-18:00	Registration (FOYER)						
7:00-7:30	The Quality Mind Experience (SECRETARÍA GENERAL)						
7:30-8:00	The Quality Mind Experience (SECRETARÍA GENERAL)						
8:00-8:45	All Authors must be online to answer questions virtually/ check questions on virtual platform						
9:00-10:00	Keynote 3 <b>Dr. Yakeel T. Quiroz</b> <i>Age-related trajectories of neuroimaging markers in Alzheimer's disease: The Colombia-Boston (COLBOS) Biomarker Study</i> (AUDITORIUM)						
10:00-10:30	Coffee Break						
10:30-11:30	Poster Session 2 -- Abstracts (CLAUSTRO DE LAS ANIMAS)						
Rooms	(SALÓN BARAHONA 3-401 ppl)	(SALÓN BARAHONA 4- 360 ppl)	(SALÓN BARAHONA 2- 285 ppl)	(SALÓN BARAHONA 1- 269 ppl)	(SECRETARIA GENERAL- 130 ppl)	(SALÓN ARSENAL- 130)	(PEGASOS- 200 ppl)
11:30-13:00	Oral 9: MRI  (SALÓN BARAHONA 3)	Oral 10: CT  (SALÓN BARAHONA 4)	Tutorial 6 pt I  Topological Data Analysis for Biomedical Imaging Data  (SALÓN BARAHONA 2)	Tutorial 7 pt I  Bayesian Inference for Inverse Problems  (SALÓN BARAHONA 1)		Oral 11: Ultrasound  (SALÓN ARSENAL)	
13:00-14:30	Technical Committee Lunches Conference attendees – lunch on your own						
14:30-15:30	Keynote 4 <b>Dr. Lena Maier-Hein</b> <i>Challenging Common Practice in Medical Imaging</i> (AUDITORIUM)						
15:30-16:00	Coffee Break						
16:00-17:30	Oral 12: MRI  (SALÓN BARAHONA 3)	NIH Session “Funding Opportunities and Grant Writing Tips for New Investigators” (SALÓN BARAHONA 4)	Tutorial 6 pt II  (SALÓN BARAHONA 2)	Tutorial 7 pt II  (SALÓN BARAHONA 1)		Oral 13: Pathology  (SALÓN ARSENAL)	
Evening	Pirate ship (organizers & VIP), Paseo en Chiva, and evening activity (students & attendees)						

## Friday April 21, 2023

6:00-7:00am

VIRTUAL Keynote 2  
**Dr. Qi Dou** *Image-Based Robotic Surgery Intelligence*

7:00-8:00am

VIRTUAL Poster Session 2

8:00-18:00

Registration  
(FOYER)

7:30-9:00

Clinical Day  
(SALÓN BARAHONA 3)

9:00-10:00

Keynote 5  
**Dr. Vasilis Ntziachristos** *Listening to Light: Advances in Optoacoustic Imaging*  
(AUDITORIUM)

10:00-10:30

Coffee Break

10:30-11:30

Clinical Day  
(SALÓN BARAHONA 3)

Poster Session 3  
(FOYER DE AUDITORIUM, HALL DE EXPOSITIONS, LOBBY DE BARAHONA)

(SALÓN BARAHONA 3- 401 ppl)

(SALÓN BARAHONA 4- 360 ppl)

(SALÓN BARAHONA 2- 285 ppl)

(SALÓN BARAHONA 1- 269 ppl)

(SECRETARIA GENERAL- 130 ppl)

(SALÓN ARSENAL- 130)

(PEGASOS- 200 ppl)

11:30-13:00

Clinical day  
(SALÓN BARAHONA 3)

Oral 14:  
MRI  
(SALÓN BARAHONA 4)

Oral 15:  
CT  
(SALÓN BARAHONA 2)

Oral 16:  
Diffusion MRI  
(SALÓN BARAHONA 1)

Oral 17:  
RGB  
(SALÓN ARSENAL)

13:00-14:30

Women in Science Lunch  
(CLAUSTRO DE LAS ANIMAS)

14:30-15:45

Clinical day  
(SALÓN BARAHONA 3)

Oral 18:  
MRI  
(SALÓN BARAHONA 4)

Oral 19:  
Xray  
(SALÓN BARAHONA 2)

Oral 20:  
CT  
(SALÓN BARAHONA 1)

Oral 21:  
fMRI  
(SALÓN ARSENAL)

15:45-16:00

Coffee Break

16:00-17:30

Clinical day  
(SALÓN BARAHONA 3)

Special Session 6  
Wasserstein Distance in Biomedical Imaging  
(SALÓN BARAHONA 4)

Special Session 7  
Machine Learning In Medical Imaging  
(SALÓN BARAHONA 2)

Special Session 8  
Study of superficial white matter fibers based on diffusion MRI  
(SALÓN BARAHONA 1)

17:30-18:30

Awards Ceremony (Auditorium)

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