

Summer School - PADUA LYMPHATIC FORUM

DAY 1 – September 16th (AULA MAGNA, Collegio “Morgagni”, via S. Massimo)

09:00-10:00 OPENING – Local Authorities; G. Rossitto, G.P Rossi, A. Zanatta, C. Basso (UNIPD)

UNDERSTANDING LYMPHATICS

10:00-11:30 VASCULAR GROWTH FACTORS IN LYMPHANGIOGENESIS - *Kari Alitalo* (Helsinki)
LYMPHATIC ANATOMY IN HUMANS - *Jean Paul Belgrado* (Bruxelles)
LYMPHATIC VESSELS IN THE SUPERFICIAL FASCIA- *Giovanna Albertin* (UNIPD)

11:30-11:45 COFFEE BREAK

11:45-12:30 [Visiting prof. lecture] LYMPHATIC CONTRACTILE FUNCTION - *Michael J. Davis* (Columbia, MO)

12:30-13:00 LYMPHATIC DRAINAGE IN CHOLESTEROL TRANSPORT - *Veronique Angeli* (Singapore)

13:00-14:00 LUNCH

LYMPHATICS IN DIFFERENT ORGANS/SYSTEMS

14:00-14:15 INTRO: (LYMPH)EDEMA AND COMORBIDITIES - *Stanley Rockson* (Stanford, CA)

14:15-15:05 LYMPHATICS AND ANGIOTENSIN II - *Giovanni Bertoldi* (UNIPD)
(KIDNEYS) LYMPHATICS AND LYMPHANGIOGENESIS IN RENAL DISEASE - *Joe Rutkowsky* (Texas A&M, TX)

15:05-16:15 LYMPHATICS AND OBESITY - *Jorge A. Castorena* (New Orleans, LA)
(CKM sdr) CARDIAC LYMPHATICS IN HEALTH AND DISEASE - *Ebba Brakenhielm* (INSERM, Rouen)
LYMPHATICS IN HYPERTENSION TO HEART FAILURE - *Giacomo Rossitto* (UNIPD)

16:15-17:00 COFFEE BREAK + SATELLITE SYMPOSIUM (DECONGESTION IN HEART FAILURE)

17:00-17:35 PLEURAL/DIAPHRAGMATIC LYMPHATIC VESSELS - *Andrea Moriondo* (Università dell'Insubria)
(LUNGS) LUNG LYMPHATICS - *Scott Zawieja* (Columbia, MO)

17:35-18:30 CNS LYMPHATIC CLEARANCE IN NEUROLOGICAL DISEASE - *Steven Proulx* (Bern)
(CNS) PET IMAGING FOR CNS FLUID DYNAMICS - *Julia Schubert* (London; DEI UNIPD)

VISIT TO PALAZZO BO

DAY 2 – September 17th (AULA RAMAZZINI, Policlinico Universitario)

08:45-10:15 HANDS-ON VISIT to the Vascular Myography LAB (Group 1)

LYMPHEDEMA

10:30-11:15 UNDERSTANDING LYMPHEDEMA – *Christian Ure* (Wolfsberg)

11:15-12:15 HUB DIAGNOSTICO/TERAPEUTICO REGIONALE VENETO – *Silvia Fontana* (AULSS 7)
IL CENTRO AOPD - *Stefano Masiero, Lara Bonaldo* (UNIPD, AUOPD)
DISCUSSION: COMPREHENSIVE CURE/CARE OF LYMPHEDEMA - Plenary

11:45-12:00 AN EDUCATIONAL OPPORTUNITY “MASTER DI LINFOLOGIA A PADOVA” - *Luciana Caenazzo* (UNIPD)

12:20-13:00 PRIMARY LYMPHEDEMA AND MALFORMATIONS: from genetics to care - Isabelle Quéré (Montpellier)

13:00-14:00 LUNCH + Master Theses POSTER exhibition

14:00-15:30 STATE-OF-THE-ART DECONGESTIVE THERAPY – *Silvia Fontana/Sara Troncon (AULSS 7, IOV)*
NOVEL STRATEGIES FOR DECONGESTION – *S. Masiero/MC. Maccarone/E. Venturini (AUOPD)*
ARTIFICIAL LYMPHATIC BYPASS FOR LYMPHEDEMA - *V. Triacca (Lausanne)*
NOVEL ANTI-INFLAMMATORY AND GENE THERAPY - *Barbara Garmy-Susini (Toulouse)*

15:30-16:00 PERSPECTIVES FROM THE EDITOR IN CHIEF: AVENUES AND AWARENESS - *Stan Rockson (Stanford, CA)*

16:30-18:00 HANDS-ON NEAR INFRARED LYMPHOGRAPHY WORKSHOP

DAY 3 – September 18th (AULA RAMAZZINI, Policlinico Universitario)

08:45-10:15 HANDS-ON VISIT to the Vascular Myography LAB (Group 2)

IMAGING

10:30-11:20 RULING OUT VENOUS DISEASE – *Giampiero Avruscio/Anna Poretto (AUOPD/UNIPD)*
TISSUE ULTRASOUND – *Lara Bonaldo (AUOPD)*
TISSUE ELASTOGRAPHY – *Filippo Crimi (UNIPD)*

11:20-12:00 NEAR INFRARED LYMPHOGRAPHY: WHO? HOW? WHEN? WITH? - *Jean Paul Belgrado (Bruxelles)*

12:00-13:00 OPTOACOUSTICS: IN THEORY AND IN PRACTICE

13:00-14:00 LUNCH

14:00-14:45 LYMPHOSCINTIGRAPHY TODAY – *Gaia Grassetto (AOUPD)*
NUCLEAR MEDICINE 4.0: NOVEL PROTOCOLS AND TECHNOLOGIES – *Diego Cecchin (UNIPD)*

14:45-15:30 LYMPHATIC MAGNETIC RESONANCE IMAGING - *Claus Pieper (Bonn)*
LYMPHATIC CT: WHY AND HOW IN MODERN SUITES - *Filippo Crimi (UNIPD)*

15:30-16:15 ADVANCED IMAGING AND INTERVENTIONS - *Maxim Itkin (Philadelphia, PA)*

16:30-18:00 IMAGING: PRACTICAL and VR WORKSHOP

DAY 4 – September 19th (AULA RAMAZZINI, Policlinico Universitario)

08:45-10:15 HANDS-ON VISIT to the Vascular Myography LAB (Group 3)

SURGERY

10:30-11:50 SURGICAL LYMPHEDEMA: SIZE AND PRIMARY PREVENTION – *F. Meggiolaro/A. Varotto (AOUPD)*
FACILIFLOW: A NEW PRIMARY PREVENTION TOOL - *James E. Moore (London)* – to be confirmed
A UNIQUE CLINICAL CASE: LYMPHATIC COLLATERAL ROUTES – *Silvia Fontana (AULSS 7)*

11:50-13:00 INTRA- (AND POST-) OPERATIVE IMAGING OF LYMPHATIC COLLECTORS – *Alfio Costa (AOUPD)*
LINFODIEP: PADUA EXPERIENCE – *Vincenzo Vindigni (UNIPD)*
LYMPHATIC SURGERY FOR LYMPHEDEMA - *Francesco Boccardo (Genova)*

13:00-14:00 LUNCH

14:00-15:05 A STAND-ALONE ENTITY: LIPEDEMA - *Andrej Szuba (Wroclaw)*
GENTLE LIPO-SUCTION FOR LYMPHEDEMA - *Franco Bassetto (UNIPD)*
MINI-INVASIVE SURGICAL APPROACHES FOR UNDERSTANDING LYMPHATICS - *Eva Kohlscheen (UNIPD)*

15:05-15:30 THE MULTIDISCIPLINARY APPROACH TO LYMPHEDEMA - *Sandrine Mestre (Montpellier)*

15:30-16:00 COFFEE BREAK

16:00-17:00 LYMPHATICS AND RENAL TRANSPLANTATION: THE SURGEON'S VIEW – *Lucrezia Furian (UNIPD)*
LYMPHATICS AND TRANSPLANTATION: PATHOPHYSIOLOGICAL CONUNDRUM – *D. Bagordo (UNIPD)*
TOOLS AND FACILITIES FOR LARGE ANIMAL RENAL STUDIES – *Alexandro Chade (Columbia, MO)*

LATE PM – EVENING: FREE TIME, PIZZA AND FUN

DAY 5 – September 20th (AULA MAGNA, Collegio “Morgagni”, via S. Massimo)

08:45-10:15 HANDS-ON VISIT to the Vascular Myography LAB (Group 4)

LYMPHATIC BONANZA

10:30-13:00 MECHANOBIOLOGY
THE MECHANOBIOLOGY OF THE EXTRACELLULAR MATRIX – *Sirio Dupont (UNIPD)*
VASCULAR MECHANOTRANSDUCTION - *Michael J. Davis (Columbia, MO; VISITING PROFESSOR)*
THE BIOLOGY OF LYMPHATIC VALVES - *Joshua Scallan (Tampa, FL)*

13:00-14:00 LUNCH

14:00-15:15 CONGENITAL HEART DISEASE AND LYMPHATICS
WHAT IN COMMON? – *Giovanni Di Salvo (UNIPD)*
A “LEAFLET” DESIGN – *Gabriele Egidy Assenza (Bologna)*
LYMPHATICS IN OVINE MODELS OF CONGENITAL HEART DISEASE - *Sanjeev Datar (San Francisco, CA)*

15:15-16:30 IMMUNO-INFLAMMATION
LYMPHATIC FUNCTION IN EXPERIMENTAL INFLAMMATORY ARTHRITIS - *Michael Davis (Columbia, MO)*
DELINEARE: DECONGESTION VIA LYMPHATICS FOR RA - *G. Rossitto, on behalf of Dina Facchin (UNIPD)*
ANTI-INFLAMMATORY APPROACHES FOR LYMPHATIC DYSFUNCTION - *Dongeon Kim (Stanford, CA)*

16:30-17:00 CLOSING CEREMONY: APERITIVO + STRING QUARTET

17:30-18:30 PADUA BOTANICAL GARDEN GUIDED TOUR