For more information:

**DIRECTOR:**
Prof. Mario Lima  
Phone +39 051 2144985 • Mobile +39 335 8130225  
mario.lima@unibo.it

**SCIENTIFIC SECRETARY:**
Dr. Francesco Di Lorenzo  
Phone +39 051 2144987 • Mobile +39 338 8559382

**DIDACTIC SECRETARIAT:**
Dr. Michela Maffi  
Phone +39 051 2144984 • Mobile +39 333 4509768  

Department of Pediatric Surgery  
S. Orsola Hospital  
Via Massarenti 11 - 40138 Bologna - Italy

Admittance: titles and exam  
Participants number: max 10  
Admission fee: 1.000 euro

**IN ORDER TO REGISTER:**
http://www.unibo.it/it/didattica/master/2017-2018#
Phone +39 051 2098844
Master Topics

I SESSION
- Embryology of kidney and urinary tract
- Functional aspects of upper and lower urinary tract
- Prenatal diagnosis of urinary malformations
- Imaging of the urinary system
- Anatomy of kidney, urinary tract and abnormalities of number, position and shape of the kidney
- Personalized Medicine in kidney and urinary tract malformations
- Surgical treatment of horseshoe kidney: indications and techniques
- Multicystic Kidney and Renal Cysts
- Urolithiasis
- Minimally invasive nephrectomy and partial nephrectomy
- Acute and chronic renal failure
- Peritoneal dialysis
- Wilms Tumor
- Other renal tumors

II SESSION
- Management of prenatal hydronephrosis
- Open Pyeloplasty
- Laparoscopic Pyeloplasty
- Retropubic endoscopic Pyeloplasty
- Robot-assisted Pyeloplasty
- Intrinsic and extrinsic intermediate ureteral obstructions
- Duplex urinary system
- Ureteroceles
- Ureterovesicojugal obstruction
- Management of Vesicoureteral Reflux: indications for conservative or surgical treatment
- Bulking agents injection in VUR
- Cohen procedure: technical details
- Laparoscopic repair of VUR
- Pneumovesico/endoscopic ureteral reimplantation
- Robot-assisted vesicoureteral reimplantation

III SESSION
- Urachal remnants: diagnosis and treatment
- Bladder diverticula
- Bladder Extrophy epispadias complex in females
- Bladder Extrophy epispadias complex in males
- Cloacal extrophy complex
- Neurogenic bladder: functional aspects
- Urodynamics
- LUTS (lower urinary tract symptoms)
- Nocturnal enuresis
- Surgical treatment of urinary incontinence
- Bladder augmentation
- Urinary diversion
- Bladder tumors in children
- Renal transplant: indications
- Renal transplant: technical details

IV SESSION
- Posterior urethral valves
- Urethral duplications: anatomical and functional aspects
- Urethral duplications: surgical management
- Hypospadias: pathogenesis and surgical anatomy
- Distal hypospadias: surgical techniques
- Proximal hypospadias: surgical techniques
- Priapism: surgical techniques
- Varicocele
- Disorders of Sex Development: pathogenesis classification and management
- Mullerian remnants
- Developmental anomalies of uterovaginal canal
- Surgical treatment of urogenital sinus
- Vaginal replacement

Training Stage: The Master will last one academic year and will consist of four 3-day theoretical and live surgery sessions together with a monthly surgical training period.