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RICCARDO MAGISTRONI

Date of birth: 27 Oct 1974 | **Nationality:** Italian | **Phone number:** (+39) 3332962571 (Mobile) | **Phone number:** (+39) 0594224136 (Work) | **Phone number:** (+39) 0594225218 (handset) | **Email address:** riccardo.magistroni@unimore.it | **Website:** https://www.scopus.com/authid/detail.uri?authorId=6508046285 | **Whatsapp Messenger:** +393332962571 | **Address:** Via Marzabotto 116, 41125, MODENA, Italy (Home) | **Address:** Via del Pozzo 71, Division of Nephrology, Dialysis and Kidney Transplantation, AOU Policlinico di Modena, 41124, Modena, Italy (Work)

WORK EXPERIENCE

31 DEC 2004 – CURRENT AZIENDA OSPEDALIERO-UNIVERSITARIA DI MODENA Via del Pozzo 71 Modena 41124 , Italy
STAFF NEPHROLOGIST (PROFESSOR WITH CLINICAL INTEGRATION), MODENA DIV. OF NEPHROLOGY DIALYSIS AND RENAL TRANSPLANTATION

- Teaching at Medical School , Specialization School of Nephrology, Medical Specialties School (Dietitician School)
- Research Activities
- Clinical Activities at the Division of Nephrology

30 JUN 2014 – 30 OCT 2018 Milan, Italy
ASSOCIATE RESEARCH SCIENTIST DEPARTMENT OF GENETICS AND CELLULAR BIOLOGY, SAN RAFFAELE HOSPITAL

- Development and Direction of a phase I Clinical Trial

31 MAR 2016 – CURRENT New York, United States
ADJUNCT ASSOCIATE RESEARCH SCIENTIST DEPARTMENT OF MEDICINE, COLUMBIA UNIVERSITY

31 OCT 2004 – 30 DEC 2004 AZIENDA OSPEDALIERO-UNIVERSITARIA DI MODENA Via del Pozzo 71 Modena Italy 41124 , Italy
STAFF NEPHROLOGIST DIV. OF NEPHROLOGY DIALYSIS AND RENAL TRANSPLANTATION

- Clinical Activities in the Division of Nephrology

31 OCT 2019 – CURRENT Modena, Italy
ASSOCIATE PROFESSOR UNIVERSITÀ DI MODENA E REGGIO EMILIA

EDUCATION AND TRAINING

31 AUG 1988 – 29 JUL 1993 MODENA, Italy
HIGH SCHOOL DEGREE : 'MATURITÀ CLASSICA' L.A. Muratori Liceo

Italian, Mathematics, Latin, Ancient Greek, English

31 AUG 1993 – 29 SEP 1999 MODENA, Italy

MD DEGREE AT UNIVERSITY MEDICAL SCHOOL University of Modena and Reggio Emilia

Medical School

31 AUG 1993 – 29 SEP 1999 MODENA, Italy

NA Division of Biochemical, Department of Biomedical Sciences, Mentor. Professor Sergio Ferrari.

As medical student he learned the main techniques and strategies of research in molecular biology: PCR, Northern Blot, Southern Blot, Western Blot, Microsatellites Analysis, DNA Sanger Sequencing.

31 AUG 1999 – 29 OCT 2004 MODENA, Italy

RESIDENT/FELLOW IN NEPHROLOGY University of Modena and Reggio Emilia

Specialization in Nephrology

31 DEC 2001 – 31 OCT 2002 Toronto, Canada

NA Division of Nephrology, General Hospital, University of Toronto

Postdoctoral Research Fellow, Mentor: York Pei. Field : Nephrology/Genetics.During this period the researcher worked on the genotype – phenotype correlation of Autosomal Dominant Polycystic Kidney Disease. Furthermore he contributed to a project of positional cloning by linkage analysis in familial IgA Nephropathy

10 APR 2002 – 12 APR 2002 Sestri Levante (GE), Italy

NA Ospedale Gaslini di Genova

"II Course in genetics and renal disorders", Sestri Levante (Genova, Italy).

30 JUN 2014 – 31 DEC 2015 New York, United States

NA Division of Nephrology, Department of Medicine, Columbia University

Postdoctoral Research Fellow, Mentor: Ali G. Gharavi. Field: Nephrology/Genetics.During this period the researcher worked on the association analysis of rare and common variants, collected by Genome Wide Exome Sequencing and Exome Microarray Genotyping, in IgA Nephropathy. Furthermore Dr Riccardo Magistroni participated to the project of Precision Medicine in Nephrology of the Columbia University based on Exome Sequencing Technology.

31 AUG 2006 – 29 MAY 2007 MODENA, Italy

ADVANCED COURSE IN EVIDENCE BASED MEDICINE AND METHODOLOGY OF HEALTH RESEARCH. University of Modena and Reggio Emilia

31 DEC 2009 – 30 DEC 2010 MODENA, Italy

ADVANCED COURSE IN "STATISTICS APPLIED TO CLINICAL QUESTIONS" University of Modena and Reggio Emilia

31 MAY 2015 – 6 JUN 2015 Berlin, Germany

GENETIC ASSOCIATION COURSE WITH APPLICATION TO SEQUENCE AND GENOTYPE DATA Max Delbruck Center for Molecular Medicine

31 AUG 2017 – 6 SEP 2017 Berlin, Germany

IDENTIFYING GENES FOR MENDELIAN TRAITS USING NEXT GENERATION SEQUENCE DATA Max Delbruck Center for Molecular Medicine

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C2	C1	C1	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Data Analysis

Stata (Statistical analysis) | Microsoft Excel | Google Drive

Presentation

Power Point

Reporting

Microsoft Word | Google Docs

ADDITIONAL INFORMATION

GOLDEN PARAGRAPH

31 OCT 2018 – CURRENT
Current Position

Head of the Program of Precision Medicine of Kidney Disease (scientific sector : SSD 6/D2 MED14 Nephrology)
Scientific Profile : Prof. Riccardo Magistroni is a Nephrologist. His main interests concern the study of rare diseases (glomerulonephritis and genetic kidney diseases). He acquired specific skills through his study periods abroad at University Health Network in Toronto and Columbia University in New York. During these periods abroad, he has perfected his skills in the field of Personalized Medicine in Nephrology through genomic and artificial intelligence approaches applied to histological images.

Bibliometric indicators :
 # Publications 103 **# Citations** 3878 **H index** 28 **H Index(5y) 17**

Three most relevant publications or patents :

1. Ligabue G, Pollastri F, Fontana F, Leonelli M, Furci L, Giovanella S, Alfano G, Cappelli G, Testa F, Bolelli F *et al*: Evaluation of the Classification Accuracy of the Kidney Biopsy Direct Immunofluorescence through Convolutional Neural Networks. *Clin J Am Soc Nephrol* 2020, 15(10):1445-1454.
2. Magistroni R, D'Agati VD, Appel GB, Kiryluk K: New developments in the genetics, pathogenesis, and therapy of IgA nephropathy. *Kidney Int* 2015.
3. Gharavi AG, Kiryluk K, Choi M, Li Y, Hou P, Xie J, Sanna-Cherchi S, Men CJ, Julian BA, Wyatt RJ *et al*: Genome-wide association study identifies susceptibility loci for IgA nephropathy. *Nat Genet* 2011, 43(4):321-327.

ORGANISATIONAL SKILLS

Organisational skills **leadership**: currently coordinating a research group in ongoing projects at my Institution. Prof. R. Magistroni coordinates two lab technicians and a nephrology fellow that are involved in three different commercial clinical trials, two academic clinical trials and an International Precision Medicine project in Nephrology

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills - good communication skill according to my background of Academic teaching and coordination of research groups

JOB-RELATED SKILLS

Job-related skills

high competence in the clinical management of renal diseases and complications of renal failure
Advanced mastery of genetic investigation techniques in kidney diseases

ADDITIONAL INFORMATIONS

CURRENT
ACADEMIC GRANT SUPPORT

2022 **GREASE II. A phase II randomized, 24-month, parallel-group, superiority study to evaluate the efficacy of a**
Modified Atkins Diet in ADPKD patients - BANDO RICERCA FINALIZZATA 2021, Ministero della Salute
Total funding : € 300.000

2020 **'Artificial Intelligence for the Diagnosis of Renal Diseases: classification of the kidney Biopsy based on convolutional neural nets'** - POR FSE 2014-2020. Regione Emilia Romagna
Total funding : € 30.000

2017 A Randomized Controlled Trial of 2-Deoxy-D-Glucose for the treatment of Autosomal Dominant Polycystic Kidney Disease. **Phase II Clinical Trial -Year 2017. AIFA-2016-02364318. Italian Agency of Drugs (AIFA).**
Principal Investigator : Dr.Riccardo Magistroni (Istituto San Raffaele)
Total funding : € 1.359.760,00

2016 Advancing Diagnosis and Prognosis in Autosomal Dominant Polycystic Kidney Disease:Establishment of the First Italian Reference Center.**Change promoting project 2016 -code RF-2016-02361267. Italian Ministry of Health**
Total funding : € 450.000

2015 Inhibition of Glycolysis by 2-Deoxy-D-Glucose as a Therapeutic Strategy for Polycystic KidneyDisease. **Phase I Clinical Trial -Year 2015 – project code RF-2013-02356802. Italian Ministry of Health**
Principal Investigator : Dr.Riccardo Magistroni (Istituto San Raffaele)
Total funding : € 422.516

2008 Autosomal Dominant Polycystic Kidney Disease: from the clinic to the cellular and molecular analysis: multidisciplinar approach for a diagnostic and prognostic evaluation. **RESEARCH PROJECT -Year 2007 - prot. 2007FJRB7H. Italian Ministry of University and Research Principal Investigator :** Riccardo Magistroni (Università di Modena e Reggio Emilia)
Total funding : € 164.770

2007 Quantitative and functional analysis of PKD1 and PKD2 gene expressed proteins: development and validation of a new diagnostic test widely applicable in clinical practice of Autosomal Dominant Polycystic Kidney Disease (ADPKD).
Research Program Regione-Università 2007-2009 Area 1a – Innovative Research Regione Emilia Romagna, Italy
Total funding : € 215.000

2004 Membranous glomerulonephritis: researching prognostic factors for treatment efficacy by urine and renal biopsy proteomic analysis.
RESEARCH PROJECT -Year 2004 - prot. 2004064212. Italian Ministry of University and Research

COMMERCIAL COLLABORATION

2020 Collaboration on clinical trial with Omeros Corporation as Principal Investigator: **"A Randomized, Double Blind, Placebo-controlled, Phase 3 Study of the Safety and efficacy of OMS721 in Patients with Immunoglobulin A (IgA) Nephropathy (ARTEMIS-IgAN)".** Protocol No OMS721-IGA-001; EUDRACT: 2018-000075-33

2020 Collaboration on clinical trial with Reata Pharmaceuticals as Principal Investigator: **" A Phase 3 Trial of Efficacy and Safety of Bardoxolone Methyl in Patients with Autosomal Dominant Polycystic Kidney Disease". Protocol 402-C-1808; EUDRACT: 2018-004651-20**

2004 – 2010 Collaboration on clinical trial with Otsuka Pharmaceutical as Principal Investigator : **"A phase 3, Multi-center, Double Blind, Placebo-controled, Parallel-arm Trial to Determine Long Term Safety and Efficacy of Oral Tolvaptan Tablet Regimens in Adult Subjects with Autosomal Dominant Polycystic Kidney Disease"** Protocol No. 156-04-251; EudraCT No. 2006-002768-24
Total turnover : € 126.785,00+IVA

2011 – present Collaboration on clinical trial with Otsuka Pharmaceutical as Principal Investigator: **"Multi-center, Open-label, Extension Study to Evaluate the Long-term Efficacy and Safety of Oral Tolvaptan Tablet Regimens in Subjects with Autosomal Dominant Polycystic Kidney Disease (ADPKD)"** Protocol: 156-08-271 ; EudraCT n: 2010-018401-10
Total turnover until now: € 77.253.17 +IVA

2012 – 2016 present Collaboration on clinical trial with Otsuka Pharmaceutical as Principal Investigator: ""**"A Multi-center, Longitudinal, Observational Study of Patients with Autosomal Dominant Polycystic Kidney Disease (ADPKD) to Establish the Rate, Characteristics, and Determinants of Disease Progression"** Protocol:156-10-291

MOST RELEVANT PUBBLICATIONS IN THE LAST TEN YEARS

1. Ligabue G, Pollastri F, Fontana F, Leonelli M, Furci L, Giovanella S, Alfano G, Cappelli G, Testa F, Bolelli F *et al*: **Evaluation of the Classification Accuracy of the Kidney Biopsy Direct Immunofluorescence through Convolutional Neural Networks**. *Clin J Am Soc Nephrol* 2020, **15**(10):1445-1454.
2. Magistroni R, D'Agati VD, Appel GB, Kiryluk K: **New developments in the genetics, pathogenesis, and therapy of IgA nephropathy**. *Kidney Int* 2015.
3. Gharavi AG, Kiryluk K, Choi M, Li Y, Hou P, Xie J, Sanna-Cherchi S, Men CJ, Julian BA, Wyatt RJ *et al*: **Genome-wide association study identifies susceptibility loci for IgA nephropathy**. *Nat Genet* 2011, **43**(4):321-327.
4. Scolari F, Delbarba E, Santoro D, Gesualdo L, Pani A, Dallera N, Mani LY, Santostefano M, Feriozzi S, Quaglia M *et al*: **Rituximab or Cyclophosphamide in the Treatment of Membranous Nephropathy: The RI-CYCLO Randomized Trial**. *J Am Soc Nephrol* 2021.
5. Canney M, Barbour SJ, Zheng Y, Coppo R, Zhang H, Liu ZH, Matsuzaki K, Suzuki Y, Katafuchi R, Reich HN *et al*: **Quantifying Duration of Proteinuria Remission and Association with Clinical Outcome in IgA Nephropathy**. *J Am Soc Nephrol* 2021, **32**(2):436-447.
6. Solazzo A, Testa F, Giovanella S, Busutti M, Furci L, Carrera P, Ferrari M, Ligabue G, Mori G, Leonelli M *et al*: **The prevalence of autosomal dominant polycystic kidney disease (ADPKD): A meta-analysis of European literature and prevalence evaluation in the Italian province of Modena suggest that ADPKD is a rare and underdiagnosed condition**. *PLoS One* 2018, **13**(1):e0190430.
7. Feehally J, Coppo R, Troyanov S, Bellur SS, Cattran D, Cook T, Roberts IS, Verhave JC, Camilla R, Vergano L *et al*: **Tonsillectomy in a European Cohort of 1,147 Patients with IgA Nephropathy**. *Nephron* 2016, **132**(1):15-24.
8. Carrera P, Calzavara S, Magistroni R, den Dunnen JT, Rigo F, Stenirri S, Testa F, Messa P, Cerutti R, Scolari F *et al*: **Deciphering Variability of PKD1 and PKD2 in an Italian Cohort of 643 Patients with Autosomal Dominant Polycystic Kidney Disease (ADPKD)**. *Sci Rep* 2016, **6**:30850.
9. Kiryluk K, Li Y, Scolari F, Sanna-Cherchi S, Choi M, Verbitsky M, Fasel D, Lata S, Prakash S, Shapiro S *et al*: **Discovery of new risk loci for IgA nephropathy implicates genes involved in immunity against intestinal pathogens**. *Nat Genet* 2014, **46**(11):1187-1196.
10. Torres VE, Chapman AB, Devuyst O, Gansevoort RT, Grantham JJ, Higashihara E, Perrone RD, Krasa HB, Ouyang J, Czerwiec FS *et al*: **Tolvaptan in patients with autosomal dominant polycystic kidney disease**. *N Engl J Med* 2012, **367**(25):2407-2418.

Autorizzo il trattamento dei miei dati personali ai sensi del Dlgs 196 del 30 giugno 2003 e dell'art. 13 GDPR

Modena, 25/09/2023

Riccardo Magistroni
25.09.2023 07:22:16 GMT+01:00