

## CURRICULUM VITAE

Cristiana Rastellini, MD

August, 2019  
Employee # 2305

### PRESENT POSITION AND ADDRESS

Professor, Neuroscience Cell Biology and Anatomy  
and Microbiology and Immunology  
University of Texas Medical Branch  
Department of Neuroscience and Cell Biology  
2.143 MRB  
301 University Boulevard  
Galveston, Texas 77555-0533  
Tel: (409) 772-2412- Fax: (409) 747-7364  
E-mail: [crrastel@utmb.edu](mailto:crrastel@utmb.edu)

### BIOGRAPHICAL

Birthdate            October 8, 1965  
Birthplace           Rome, Italy  
Citizenship          Italy and US citizen  
Immigration status   US permanent resident  
Residence            1718 Shoreline Court  
                          Seabrook, Texas 77586  
                          Tel: 281 942 9148  
Family                Luca Cicalese, MD (husband)  
                          Pietro Antonio (son)  
                          Francesco Luca (son)  
                          Vittoria Maria (daughter)  
                          Alessandro Ottaviano (son)

### EDUCATION

Graduate:            M.D. and Surgery  
1992                    Facolta' di Medicina  
                          University of Rome "La Sapienza"  
                          Rome, Italy  
                          Graduated in Medicine Summa cum Laude (110/110 e lode)

Undergraduate:    B.S. Biology/Physics  
1986                    Liceo Scientifico  
                          "Camillo Benso Conte di Cavour"  
                          Rome, Italy

### Post-Graduate and Professional Training:

2017- 2019            Scholars in Education, UTMB, Galveston

1992-1995            Research Fellow  
 Transplant Surgery and Immunology  
 (Program Director: John Fung M.D.)  
 Department of Surgery  
 University of Pittsburgh School of Medicine  
 T.E. Starzl Transplantation Institute - Pittsburgh, PA USA

1990-1992            Training Student, year 6  
 General Surgery, Transplant Surgery, Laparoscopic Surgery  
 (Chairman Prof. R. Cortesini)  
 Department of Surgery, II Surgical Clinic University of Rome  
 “La Sapienza” - Rome, Italy

1990                    Training Student, year 5  
 Obstetrics and Gynecology  
 (Chairman Prof. V. Marsoni)  
 Treviso Civic Hospital - Treviso, Italy

1989                    Training Student  
 Urology  
 (Chairman Prof. U. Bracci)  
 Villa Margherita Clinic - Rome, Italy

1988                    Intern Student, year 4  
 Medicine  
 (Chairman Prof. G. Mazzuoli)  
 Department of Medicine II  
 University of Rome “La Sapienza” - Rome, Italy

**BOARD CERTIFICATION AND LICENSURE:**

Accreditation:

5/2005            **Data Safety Monitoring Board-NIH (DSMB)**  
 “Allogeneic Islet Cell Transplantation for Treatment of Diabetes using  
 Thymoglobulin, CellCept and Rapamune at the University of Massachusetts  
 Medical School (ref. Cristiana Rastellini, MD)

9/2004            **IND-FDA #B IND 11634 (Food and Drug Administration)**  
 “Allogeneic Cultured Islet Cells (Human, UMA) Transplanted via Intraportal  
 infusion; and immunosuppressive Therapy” (Cristiana Rastellini, MD)

6/2005            **OPTN/UNOS (United Network of Organ Sharing)** – 6/2005 Medical Director,  
 Pancreatic Islet Cell Transplant Program

Medical Licensure:

1992-Present            Italian Board of Medicine  
 University of Rome “La Sapienza”, Rome, Italy

## PROFESSIONAL AND TEACHING EXPERIENCE:

### Academic:

2018 - Present Co-Director, Neuroscience and Human Behavior Course, MS1  
2018 – Present Member- Executive Committee, NCBA, UTMB Galveston  
2017 – Present State Anatomical Board Representative, UTMB Galveston  
2017 – Present Director, UTMB Willed Body Program  
2017 – Present Co-Director Gross Anatomy and Radiology Course, MS1  
2017 Co-Director, Launch Ramp, SEACHange  
2017 – 2018 Co-Director, Adulthood Module, SEACHange  
2016 – Present Professor of Neuroscience, Cell Biology and Anatomy  
2016 – Present PBL Facilitator, Dermatology-Hematology-Muscular, MS2  
2015 – Present PBL Facilitator, Neuroscience and Human Behavior, MS2  
2015 – Present Lecturer, Cardio, Vascular and Pulmonary, MS2  
2015 – Present Instructor, Gross Anatomy, School of Health Professions  
2014 – Present Instructor, Gross Anatomy and Radiology Lab, MS1  
2014 – Present PBL Facilitator, Gross Anatomy and Radiology, MS1  
2013 – Present PBL Facilitator, Great Syndromes, MS1  
2014 – Present Lecturer, Molecules, Cells and Tissue, MS1  
2013 – Present PBL Facilitator, Molecules, Cells and Tissue, MS1  
2013 – Present PBL Facilitator, Endocrinology and Reproduction, MS2  
2013 – 2017 Mentor PhD students (Neuroscience)  
2012 – Present PBL Facilitator, Gastro-Intestinal Course, MS2  
2012 - Present Professor, PhD Program, University of Palermo, Palermo, Italy  
2010 - 2012 Preceptor, NIH-T32 DK007639-18 training program, UTMB, Galveston, TX  
2009 - Present Member of Com.It.Es (Comitato degli Italiani residenti all’Estero), Houston, TX  
2008 - Present Faculty in the Graduate School of Biomedical Sciences (GSBS)  
Microbiology and Immunology  
University of Texas Medical Branch  
2008 - Present Professor of Microbiology and Immunology  
University of Texas Medical Branch  
Department of Microbiology and Immunology  
2008 - Present Professor of Medicine  
University of Texas Medical Branch  
Department of Medicine  
2007 - 2016 Professor of Surgery  
University of Texas Medical Branch  
Department of Surgery, Division of Transplantation  
2007 - 2016 Director Transplant Research  
University of Texas Medical Branch  
Department of Surgery, Division of Transplantation  
2007 – 2016 Director Cell Transplant  
University of Texas Medical Branch  
Department of Surgery, Division of Transplantation  
2006 – 2007 Committee Member for the School of Graduate Study

2005 – 2007 University of Massachusetts Medical School  
 UMass Memorial Healthcare  
 Director, Hospital Laboratories

2005 – 2007 University of Massachusetts Medical School  
 UMass Memorial Healthcare  
 IRB Committee Member

2005 - 2007 University of Massachusetts Medical School  
 UMass Memorial Healthcare  
 Medical Director  
 Pancreas Islet Cell Transplant Program  
 OPTN/UNOS

2005 - 2007 Associate Professor of Clinical Pathology  
 University of Massachusetts Medical School  
 UMass Memorial Healthcare

2003 - 2007 Associate Professor of Cell Biology  
 University of Massachusetts, Medical School  
 Worcester, MA, USA

2002 - 2007 Associate Professor of Surgery  
 University of Massachusetts, Medical School  
 Worcester, MA, USA

2002 - 2007 Director of Cell Transplant  
 University of Massachusetts, Medical School  
 Worcester, MA, USA

2001 - 2004 Professor of Surgery and Immunology  
 Department of Surgery  
 “Transplant Immunology”  
 Seconda Universita' (Tor Vergata)  
 Rome, Italy

2000 - 2002 Committee Member of the Graduate College of Medicine  
 University of Illinois at Chicago  
 Chicago, IL, USA

2000 - 2002 Director of Research in Surgery  
 Department of Surgery  
 University of Illinois at Chicago  
 Chicago, IL, USA

2000 - 2002 Research Mentor in Biomedical Science  
 Minority Access to Research Careers Program (MARC)  
 Chicago, Illinois

2000 - 2004 Research Mentor  
 PhD Students in Science of Nutrition  
 University of Illinois at Chicago  
 Chicago, Illinois

1999 - 2002 Director of Graduate Studies in Surgery  
 College of Medicine  
 University of Illinois at Chicago  
 Chicago, IL USA

1998 - 2002	Assistant Professor of Immunology Division of Transplant Surgery University of Illinois at Chicago Chicago, IL USA
1998 - 2002	Assistant Professor of Surgery Division of Transplant Surgery University of Illinois at Chicago, Chicago, IL USA
1998 - 2002	Director, Cell Transplant Division of Transplant Surgery University of Illinois at Chicago Chicago, IL USA
1997 - 2002	Research Supervisor, Department of Surgery University of Rome "Tor Vergata", Rome Italy
1996 - Present	Research Supervisor, Department of Surgery Libero Istituto "Campus Biomedico" Rome, Italy
1995 - Present	Professor of Surgery, Department of Surgery Libero Istituto "Campus Biomedico" Rome, Italy
1995 – 1998	Instructor of Surgery T. E. Starzl Transplantation Institute University of Pittsburgh Pittsburgh, PA USA
1997- 1998	Research Tutor Carlow College Bachelor (biology) Pittsburgh, PA USA
1997 – 2002	Research Supervisor, Department of Surgery University of Rome "Tor Vergata" Rome, Italy
1993 – 1995	Research Fellow, Cell Transplant T. E. Starzl Transplantation Institute University of Pittsburgh Pittsburgh, PA USA

## RESEARCH ACTIVITIES

### Grants/Trials:

### Active:

1. 2017-2020  
R01, # 1R01AA025850-01: " Role of Ethanol Metabolism in Alcoholic Chronic Pancreatitis"  
PI: Bhupendra Kaphalia  
C. Rastellini: co-I

The study will focus on evaluating the effect of ethanol on isolated, human pancreatic cells.

2. 2013-2020

University of Palermo and ERSU

Cristiana Rastellini and Luca Cicalese (establisher of the program)

Funded salary lines to support positions for PhD students accepted in the Neuroscience Graduate Program.

Past (Selected out of over 30 grants)

1. NIEHS Center 2016-2017  
Luca Cicalese and Cristiana Rastellini (PIs)  
Carcinogenic effects of Environmental Pollutants in human hepatocellular carcinoma precursors cells in cultures.  
**Co-Principal Investigator**
2. Vital Therapies, Inc., San Diego, CA 04/01/13-03/31/16  
"Safety and Efficacy of ELAD in Subjects with Acute Alcoholic Hepatitis (AAH)"  
The objective of this study is to evaluate safety and efficacy of ELAD (artificial liver) with respect to overall survival of subjects with a diagnosis of Acute Alcoholic Hepatitis.  
door handle igloo 6.9 freezer frf 690B (  
PI: Duchini, Andrea and Cicalese, Luca)  
**Role: Co-Investigator**
3. Vital Therapy 2013-2015  
"A randomized, open-label, multicenter, controlled study to assess safety and efficacy of elad® in subjects with alcohol-induced liver decompensation (AILD) (PI: A Duchini)  
**Role: Co-investigator**
4. ARQ CON 19603 11/03/09-11/02/15 5%  
\$21,434/patient (6 patients)  
"Protocol No. ArQ 197-215: A Randomized Controlled Phase 2 Trial of ArQ 197 in Patients with Unresectable Hepatocellular Carcinoma (HCC) Who Have Failed One Prior Systemic Therapy"(PI: Cicalese, Luca)  
**Role: Co-Investigator**
5. NIH NCE P01 DK035608-24 06/01/05-03/31/12 "Studies in Gastrointestinal Endocrinology" Goals of Core F: "Histopathology Core" To provide a repository of tissues, immunohistochemical reagents and reagents for in situ hybridization studies. (PI: Hellmich, Mark R) **Role: Core Director**
6. NIH T32 DK007639-18 07/01/08-06/30/13 0%  
\$170,388

"Surgical Research Training in Gastrointestinal Diseases"

Goals: The objective of our training program is to provide an intensive and interdisciplinary basic science research training for a period of two years for qualified individuals who are committed to pursue a career in academic surgery. This provides salary support for three surgical residents or junior faculty.

(PI: Hellmich, Mark R)

**Role: Preceptor**

7. Gillson Longenbaugh Foundation 2010-2014  
\$200,000

"Pancreatic Islet Grafts; a study of their environment"

**Role: Principal Investigator**

8. Bristol-Myers ENLIST 2012-2014  
\$37,520

"Evaluating Nulojix Long Term Safety in Transplant, ENLIST Registry" (PI: L. Cicalese)

**Role: Co-investigator**

9. IKARIA 2011-2014  
\$17,267/Patient (2 patients)

A Multi-Centered, Randomized, Placebo-Controlled, Double-Blind Study to Confirm the Reversal of Hepatorenal Syndrome Type 1 with Lucassin (Terlipressin)" (PI: A. Duchini)

**Role: Co-Investigator**

10. Genentech 2012-2014  
\$4456/patient (7 Patients)

Non-Interventional, Prospective, Cohort Study of the Effectiveness, Safety, and Utilization of Two Approved Pegylated Interferon-Based Direct Acting Antiviral Triple Therapies in the Management of Genotype 1 Chronic Hepatitis C in Routine Clinical Practice in the USA (PI: A. Duchini)

**Role: Co-Investigator**

11. Salix 2012-2014  
\$16,438/patient (6 patients) Multicenter,  
Randomized, Double-Blind, Placebo-Controlled Trial To Evaluate The Efficacy, Safety, and Pharmacokinetics of Rifaximin 550mg In Subjects With Severe Hepatic Impairment and Overt Hepatic Encephalopathy  
\$4,565/patient (6 patients)

A Sub-study to Evaluate the Pharmacokinetics of Rifaximin in subjects With Severe Hepatic Impairment and Overt Hepatic Encephalopathy -- PK sub study for above study (PI: A. Duchini)

**Role: Co-Investigator**

12. Beckman Coulter 2012-2014  
\$3042/patient (10 Patients)  
Multicenter, Prospective Evaluation of the Beckman Coulter DxN HCV Viral Load Assay as an aid in the Management of HCV-infected Individuals Undergoing Antiviral Therapy (PI: A. Duchini)  
**Role: Co-Investigator**
13. P01 DK035608-24 06/01/05-03/31/12 5%  
NIH NCE  
"Studies in Gastrointestinal Endocrinology"  
Goals of Core F: "Histopathology Core" To provide a repository of tissues, immunohistochemical reagents and reagents for in situ hybridization studies. (PI: Hellmich, Mark R)  
**Role: Core Director**
14. CON 20023 06/01/10-05/31/12 5%  
NOVARTIS Pharmaceuticals Corporation \$500,312  
"Protocol No.CERL080AUS76T: Prospective Study to Evaluate the Tolerability of Myfortic (Mycophenolic Acid) in Combination with Simulect (Basilimab) Induction, Tacrolimus without Steroids in Three Patient Populations: Cohort1: Kidneys/Pancreas Transplant R"  
Prospective Study to Evaluate the Tolerability of myfortic (mycophenolic acid) in Combination with Simulect (basilimab) Induction, Tacrolimus without Steroids in Three Patient Populations; Cohort 1: Kidney/Pancreas Transplant Recipients (Type I), Cohort 2: Diabetic Kidney Transplant Recipients (Type I & II) and Cohort 3 (control group): Non - Diabetic Kidney Transplant Recipients (PIs: Cicalese, L. and **Rastellini, C**) **Role: Co-PI Investigator**
15. CTSA MTT (UTMB) 6/2010- 6-2012  
\$100,000  
A Pilot Study to Identify the Differences in Adipose Tissue Function After Restoring Normal Glycemic Control Following Pancreas Transplantation (PIs Cicalese,L. and **Rastellini, C.**)  
**Role: Co-PI Investigator**
16. San Louis Salute Award 2009-2011  
\$100,000 "Pancreatic  
Islet Transplantation" (PI: **Rastellini, Cristiana**) **Role: Principal Investigator**
17. Dauphin Foundation 2010-2012  
\$200,000  
"Pancreatic Islet Transplantation at UTMB" (PI: **Rastellini, Cristiana**) **Role: Principal Investigator**



18. Clinical Research in Pancreatic Islet Transplantation (**C. Rastellini** - M. Brown)  
PERIOD: 2006-2009 NIH Loan Repayment grant (\$ 60,400-Funded)
19. Enhancing Pancreatic Islet Cell Survival after Isolation and Transplantation  
(**C. Rastellini**) PERIOD: January 2005-December 2005; Diabetes Action Research and  
Education Foundation (\$36,000 – Funded) Extended (2009)
20. NIH-NIDDK  
Tolerance Induction in Clinical Pancreatic Islet Transplantation - A New Era for the  
Cure of Diabetes (**PI: C. Rastellini**) PERIOD: 2000-2006 NIH RO1 (\$2.5 million d.c.,  
Funded) Extended for 2 more years
21. Detection of H-CMV Latency and Reactivation in Isolated Human Pancreatic Islets  
(**PI: C. Rastellini**) PERIOD: 2003-2006 WORCESTER FOUNDATION (\$70,000 – Funded)
22. Pancreatic Islet Transplantation to Treat Type I Diabetes – Combined Strategies to  
Obtain Tolerance (**PI: C. Rastellini**) PERIOD: 2000 – 2002  
Friends United for Juvenile Diabetes Research (\$75,000 -Funded)
23. Micromachined Bioartificial Pancreas: Microfabricated Biocapsules for the  
Immunoisolation of Xenogeneic Pancreatic Islets (PI: T. Desai, **Co-Investigator: C.  
Rastellini**) PERIOD: 1999-2002 Whitaker Foundation (\$360,000 d.c., Funded)
24. Pancreatic Islet transplantation (PI: P. Sileri – Mentors: Co-PIs: **C. Rastellini**, L.  
Cicalese) PERIOD: 1998-1999 University of Rome TorVergata and Italian Government  
(\$30,000 d.c., Funded)
25. Production and Characterization of Monoclonal Antibodies Against H-2 Cell  
Membrane Antigens (PI: Morel/Lotze – Co-Investigator: **C. Rastellini**) PERIOD: 1997-  
2002 NIH (Funded)
26. Effects of Orthotopic Liver Transplantation (PI: T. E. Starzl – Co-Investigator: **C.  
Rastellini**) PERIOD: 1996-2000 NIH (Funded)
27. Combined Bone Marrow and Organ Transplantation in Humans (PI: J.J. Fung – Co-  
Investigator: **C. Rastellini**) PERIOD: 1996-2001 NIH (Funded)
28. Pancreatic Islet Transplantation to Treat Diabetes: A New Strategy in Graft Immuno-  
Isolation (PI: **C. Rastellini**) PERIOD: 1997-1998 CMRF (Funded)
29. Effect of Lisofylline on Bacterial Translocation and Mucosal Barrier Function  
(PI: L. Cicalese; Co-Investigator: **C. Rastellini**) PERIOD: 1996-1998 Cell Therapeutics  
Institute (Funded)
30. Evaluation of Interleukin-10 for Therapy of Allograft Rejection (PI: A.W. Thomson;  
Co-Investigator: **C. Rastellini**) PERIOD: 1995-1998 Schering-Plough (Funded)

#### MEMBERSHIP IN SCIENTIFIC SOCIETIES/PROFESSIONAL ORGANIZATIONS:

Institutional Review Board Member University of Massachusetts Medical School	2005
Medscape, Transplantation Expert Board Member	2005
American Society of Transplant Surgeons, Program, Publications & Postgraduate Course Committee	2004-2007
American Red Cross Advisory Board	2003
American Society of Transplant Surgeons (ASTS)	1999 – present
American Diabetes Association (ADA)	1999 – present
International Pancreas and Islet Transplant Association (IPITA)	1998 – present
Juvenile Diabetes Research Foundation (JDRF)	1998 – present
Ordine dei Medici Chirurghi of Rome	1993 – present

#### HONORS AND AWARDS:

2019	Faculty Hooder at the SOM, Class 2019 Commencement
2019	Faculty Marshal at the SOM, Class 2019 Commencement
2018	Recipient of the 2018 “Jimmy Doyle Dickens Memorial Award” (selected by SOM students).
2017	“Key Note Speaker” at the “White Coat Ceremony” - SOM, Class 2021
2017	Selected as the UTMB nominee for the 2017 Arnold P. Gold Foundation Humanism in Medicine Award
2017	Invited Speaker at the Willed Body Ceremony, SOM and SHP, Class 2020
2014	“Flame Award” for Distinguished Italian Scientist in the US, Houston, TX
2013	Vested by the President of Italy as “Cavaliere della Repubblica Italiana” (Commander of the Knights), for scientific merits.
2013	Selected as “one of the 10 most successful Italians in the US” for a biography book entitled “PRIMI DIECI” by Riccardo Lo Faro published in November 2013.
2013	CLINICAL SCIENCE AWARD (1 <sup>st</sup> place). Zorzi D, Rastellini C, Freeman DH, Elias G, Duchini A, Cicalese L. Analysis of Waiting List Mortality Rate of Liver Transplant Candidates with Increased Geographical Distance from the Transplant Center: Data from UNOS. 2013

Annual Fellows Conference: Advances in Organ Transplantation Cambridge, MA, April 18–20, 2013.

- 2012 South Texas Chapter American College of Surgeons (ACS) -Third Place Abstract Competition Award winner. Zorzi D, Rastellini C, Freeman DH, Elias G, Duchini A, Cicalese L. Analysis of Waiting List Mortality Rate of Liver Transplant Candidates with Increased Geographical Distance from the Transplant Center: Data from UNOS.
- 2011 Texas Transplant Society- Twinkle-Banowski abstract competition winner. Zorzi D, Hewelett A, Tichindelean C, Rastellini C, Mayhall CG, Cicalese C. Safety Guidelines to Resume Transplant Activities after Major Natural Disaster. 2011 Texas Transplant Society Annual Scientific Meeting, Austin, TX, July 21-23, 2011
- 2011 One of the TOP 10 MOST POWERFUL MOTHERS in STEM (Science, Technology, Engineering, and Mathematics), WorkingMother.com
- 2011 BASIC SCIENCE RESEARCH AWARD-Singleton Surgical Society. Zorzi D, Phan T, Lin Y, Cicalese L, **Rastellini C**. Islet Size Affects Engraftment in Pancreatic Islet Transplantation. Oral presentation at 58<sup>th</sup> Singleton Surgical Society, Galveston, TX
- 2011 DISTINGUISHED FELLOWS RESEARCH SYMPOSIUM. Oral presentation at AST/CST 2011, Mont-Tremblant, Quebec, CA. March 2, 2011 and AST/CST 2011 TRAVEL AWARD. Zorzi D, Elias E, **Rastellini C**, Duchini A, Cicalese L. MELD Score Underestimates Mortality Rate of Liver Transplant Candidates Residing in Specific Geographic Areas: An Analysis of the Organ Procurement and Transplantation Network/United Network of Organ Sharing (OPTN/UNOS) Database
- 2011 POSTER OF DISTION AWARD. 2011 American Transplant Congress, Philadelphia, PA, April 30 - May 4, 2011 ATC 2011 Zorzi D, Elias E, Nseir H, **Rastellini C**, Duchini A, Cicalese L. Basiliximab/Mycophenolate Sodium/ Low Dose Calcineurin Inhibitor Steroid Free Immunosuppression Protocol Reduces First Year Recurrence Rate of Hepatitis-C Following Liver Transplantation
- 2010 “ONE OF THE TOP 100 ITALIAN HEALTH RESEARCHERS WORKING ABROAD; INAUGURAL MEMBER OF THE ITALIAN NETWORK OF HEALTH RESEARCH” Recognized by the Italian Minister of Health, Prima Conferenza Nazionale sulla Ricerca Sanitaria, Cernobbio, Italy
- 2009 “SAN LOUIS SALUTES AWARD”  
Research in Transplantation; San Louis, Galveston, TX
- 2003 “ONE OF 200 BEST PRESENTATION AWARD”  
XXX International Congress of The Transplantation Society, Vienna, Austria
- 2003 “BEST PRESENTATION AWARD” “Delivery of Short-interfering RNA to Pancreatic Islets in vivo” Autoimmune Diabetes Workshop, UMass Medical School  
Research Retreat at Woods Hole, MA

- 2002 "SEMINAR SERIES PRESENTATION AWARD" University of Illinois at Chicago, IL
- 2001 MENTOR AWARD "Outstanding Service Mentoring and Training" Urban Health Program/Temple University Minority Access to Research Careers Program (MARC)
- 2001 OUTSTANDING SCIENTIST AWARD University of Illinois at Chicago
- 2000 "BEST 40 UNDER 40 SCIENTIFIC CAREER AWARD" Crain's Chicago Business Magazine
- 2000 TERRY AND THELMA STERGIOS AWARD Excellence in Basic Research
- 1998 TRAVEL GRANT AWARD The Transplantation Society, XVII World Congress, Montreal, Canada, July 1998, "Prevention of T cell activation by contemporaneously administered rhCTLA4Ig and  $\alpha$ CD40L mAb results in indefinite islet allograft survival"

ADDITIONAL INFORMATION:

Scientific Reviewer

Reviewer Department of Defense  
 National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK/NIH)  
 Reviewer NIH-NIAID  
 Juvenile Diabetes Research Foundation (JDRF)  
 National Institute of Health (NIH)  
 American Red Cross (advisory board)  
 Islet Cell Resource Center (ICRC)  
 Insulin Free World (scientific advisor)  
 Medscape Transplantation (expert advisory member)  
 Ministero della Salute (Italy), Workflow della Ricerca (grants)  
 CTSA MTT (UTMB), grant reviewer

Journal Reviewer/Editor

Cell Transplantation, reviewer  
 American Journal of Transplantation, reviewer  
 Immunology Today, reviewer  
 Transplantation, reviewer  
 Transplantation Proceedings, reviewer  
 Intestine, associate editor  
 Stem Cells Translational Medicine

News Press/Television Appearances

**Cristiana Rastellini** and Luca Cicalese featured on "ABC 13 News" on February 14, 2012 with the story "Love in the Lab".

Cristiana Rastellini featured in "Sognando Italia" (MEDIASET, Italian Television). Ten episodes dedicated to ten Italians that succeeded in their career in the US. 2012

Invited guest at "Socrates, ritorno al merito", RAI, Italian television 2012

Islet cell transplant emerges as diabetes cure. Orlando Sentinel, June 7, 2011 and Los Angeles Times. Continuing coverage: UTMB's Dr. Cristiana Rastellini talks about pancreatic islet cell transplantation. Coverage also appears in dozens of other outlets nationwide, including KTXL-TV (Ch. 40, Sacramento, Calif.), KRCW-TV (Ch. 32, Portland, Ore.), WXIN-TV (Ch. 59, Indianapolis, Ind.), KWCH-TV (Ch. 12, Wichita, Kan.), and the DailyPress.com.

Cristiana Rastellini featured in TERRA (MEDIASET) Italian Television "Mamma and Manager": The role of women in career in Italy and the USA and how they can manage their job and family. 2011

Most powerful moms in STEM from the magazine Working Mother, March 3, 2011  
UTMB Health Dr. Cristiana Rastellini is named one of the 10 most powerful mothers working in science, technology, engineering and math. She has pioneered pancreatic islet transplantation (lifesaving for diabetes patients) and made strides developing the first artificial intestine.

In Celebration and Honor of Dr. Cristiana Rastellini; The Galveston Daily News for the San Louis Salute Award 2009

Full page article in the UMass Memorial Foundation Magazine, "From Here, We Can See the End of Diabetes", December 2004

Full page article in the Worcester Telegram & Gazette Newspaper, "Health" – Great Promise, Great Challenges", Research Focuses on Islet Cell Transplants to Treat Diabetes", September 2004

Invited guest at the "World Business Review" (10 minutes interview on the major achievement in biotechnology) 2002

Coverage from Chicago Sun Times, Chicago Tribune and Fox News, WGN News, NBC News, ABC news, Telemundo News, and Galavision News for the opening of the Islet Transplant Facility at the University of Illinois at Chicago, 2001

Full page article on FraNoi magazine: "PROFESSION, quest for a cure", 2001

Guest of honor on the most acclaimed talk show in Italy, "The Maurizio Costanzo Show" to discuss clonation and stem-cell research (90 minutes in prime time), September 2000.

Selected for a full page article and cover in Crain's Chicago Business magazine as "Forty Under Forty" for scientific career accomplishments, November 2000.

## PUBLICATIONS:

### A. ARTICLES IN PEER-REVIEWED JOURNALS

1. Raun L, Shirafkan A, Campos L, Zorzi D, Montalbano M, Rhoads C, Gazis V, Ensor K, **Rastellini C**, Cicalese L. Response to the comments on Cicalese et al. "An Ecological Study of the Association between Air Pollution and Hepatocellular Carcinoma Incidence in Texas. Liver Cancer. 2018, Sep; 7(3):301-30
2. Montalbano M, **Rastellini C**, McGuire JT, Prajapati J, Shirafkan A, Vento R, Cicalese L. Role of Glypican-3 in the growth, migration and invasion of primary hepatocytes isolated from patients with hepatocellular carcinoma. Cell Oncol (Dordr). 2018 Dec 4. doi: 10.1007/s13402-017-0364-2. [Epub ahead of print]
3. Cicalese L<sup>1</sup>, Curcuru G<sup>2,3</sup>, Montalbano M<sup>1,4</sup>, Shirafkan A<sup>1</sup>, Georgiadis J<sup>1</sup>, **Rastellini C**<sup>1</sup>. Hazardous air pollutants and primary liver cancer in Texas. PLoS One. 2017 Oct 10;12(10):e0185610. doi: 10.1371/journal.pone.0185610. eCollection 2017.
4. Cicalese L, Raun L, Shirafkan A, Campos L, Zorzi D, Montalbano M, Rhoads C, Gazis V, Ensor K, **Rastellini C**. An Ecological Study of the Association between Air Pollution and Hepatocellular Carcinoma Incidence in Texas. Liver Cancer. 2017 Nov;6(4):287-296. doi: 10.1159/000475776. Epub 2017 Aug 29.
5. Montalbano M, Georgiadis J, Masterson AL, McGuire JT, Prajapati J, Shirafkan A, **Rastellini C**, Cicalese L. Biology and function of glypican-3 as a candidate for early cancerous transformation of hepatocytes in hepatocellular carcinoma (Review). Oncol Rep. 2017 Jan 18. doi: 10.3892/or.2017.5387. [Epub ahead of print]
6. Cicalese L, Shirafkan A, Jennings K, Zorzi D, **Rastellini C**. Increased Risk of Death for Patients on the Waitlist for Liver Transplant Residing at Greater Distance From Specialized Liver Transplant Centers in the United States. Transplantation. 2016 Oct;100(10):2146-52.
7. Montalbano M, Curcurù G, Shirafkan A, Vento R, **Rastellini C**, Cicalese L. Modeling of Hepatocytes Proliferation Isolated from Proximal and Distal Zones from Human Hepatocellular Carcinoma Lesion. PLoS One. 2016 Apr 13;11(4):e0153613. doi: 10.1371/journal.pone.0153613.
8. Shirafkan A, Montalbano M, McGuire J, **Rastellini C**, Cicalese L. New approaches to increase

intestinal length: Methods used for intestinal regeneration and bioengineering. *World J Transplant*. 2016 Mar 24;6(1):1-9. doi: 10.5500/wjt.v6.i1.1. Review.

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## B. OTHER

### Book Chapters

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#### Other Publications: Videos

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#### C. ABSTRACTS and PRESENTATIONS

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3. Shirafkan A, Montalbano M, Curcuru G, Zorzi D, Corsello T, **Rastellini C**, Cicalese L. Identification of air pollutants associated to hepatocellular carcinoma (HCC) incidence in Texas. Digestive Disease Week (DDW), American Association for the Study of Liver Disease (AASLD) Meeting, Washington DC, May 2015 (poster presentation)
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117. **Rastellini C**, Salam S, Braun M, Leach R, Fung J, Starzl T, Rao A. Prevention of T cell activation by contemporaneously administered rhCTLA4Ig and  $\alpha$ CD40L mAb results in indefinite islet allograft survival. The Transplantation Society, XVII World Congress, Montreal, Canada, July 1998, TRAVEL GRANT AWARD
118. **Rastellini C**, Cicalese L, Leach R, Braun M, Fung J, Starzl T, Rao A. Prolonged survival of transplanted islets in allogeneic recipients treated with Tacrolimus (FK506) and Leflunomide (Lef). The Transplantation Society, XVII World Congress, Montreal, Canada, July 1998
119. **Rastellini C**, Salam S, Braun M, Leach R, Fung J, Starzl T, Rao A. Mechanism underlying the development of T cell Tolerance following interruption of signaling at the CD28/B7 and CD40/gp39 interface. The Transplantation Society, XVII World Congress, Montreal, Canada, July 1998
120. **Rastellini C**, Salam S, Braun M, Leach R, Fung J, Starzl T, Rao A. T cell anergy but not deletion is the predominant mechanism for indefinite islet graft survival in recipients treated with rhCTLA4Ig and  $\alpha$ -gp39 antibody. American Society of Transplant Surgeons (ASTS), Chicago, IL May 1998
121. **Rastellini C**, Salam S, Braun M, Leach R, Fung J, Starzl T, Rao A. Combined simultaneous blockade of CD28/B7 and CD40/CD40L costimulatory pathways results in long-term acceptance of pancreatic islet allografts. American Society of Transplant Physicians (ASTP), Chicago, IL May 1998
122. **Rastellini C**, Cicalese L, Leach R, Braun M, Fung J, Starzl T, Rao A. Combined use of Tacrolimus (FK506) and Leflunomide (Lef) results in prolongation of pancreatic islet allograft survival. American Society of Transplant Physicians (ASTP), Chicago, IL May 1998
123. Shapiro R, Rao A, Fontes P, Zeevi A, Jordan M, Scantlebury V, Vivas C, Gritsch H, Corry R, Egidi F, Irish W, Randhawa P, **Rastellini C**, Fung J, Starzl T. Kidney transplantation with bone marrow augmentation - Experience with 86 cases. 23rd Annual Scientific Meeting of the American Society of Transplant Surgeons (ASTS) Chicago (Illinois), May 1997
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125. **Rastellini C**, Shapiro R, Corry R, Egidi F, Fung J, Starzl T. Delayed islet cell transplantation to reverse type I diabetes in humans; 2nd International Meeting on Cell Transplantation, Miami Beach, FL, October 1996
126. Rao A, Fontes P, Zeevi A, Rugeles M, Iyengar A, Shapiro R, Jordan , Corry R, Dodson F, Rilo H, **Rastellini C**, Aitouche A, Rosner G, Trucco M, Demetris A, Fung J, Starzl T. Enhancement of donor cell chimerism in whole organ allograft recipients by adjuvant bone marrow

transplantation. 2nd International Meeting on Cell Transplantation, Miami Beach, FL, October 1996

127. **Rastellini C**, Rao A, Fung J, Starzl T. Transplantation of isolated pancreatic islets to reverse type I diabetes in humans: a six year experience. XVI International Congress of the Transplantation Society, Barcelona, August 1996
128. Cicalese L, Iyengar A, Subottin V, Aitouche A, **Rastellini C**, Rao A, Stanko R. Protection afforded by pyruvate during acute rejection of small bowel allografts is mediated by inhibition of oxygen free radicals and cytolytic activity (Perforin and Granzyme-B mRNA expression) of activated leukocytes. XVI International Congress of the Transplantation Society, Barcelona, August 1996
129. **Rastellini C**, Shapiro R, Corry R, Fung J, Starzl T, Rao A. Treatment of isolated pancreatic islets to reverse pancreatectomy-induced and insulin dependent type I diabetes in humans: a six-year experience. Plenary Session Presentation. 22nd Annual Scientific Meeting of the American Society of Transplant Surgeons (ASTS) Dallas, TX, May 1996
130. **Rastellini C**, Shapiro R, Corry R, Fung J, Starzl T, Rao A. Treatment of isolated pancreatic islets to reverse pancreatectomy-induced and insulin dependent type I diabetes in humans: a six-year experience. Plenary Session Presentation; 22nd Annual Scientific Meeting of the American Society of Transplant Surgeons (ASTS) Dallas (Texas), May 1996
131. **Rastellini C**, Cicalese L, Zeevi A, Mattes C, Stanko R, Starzl T, Rao A. Long-term culture of viable human pancreatic islets in pyruvate rich medium; IPITA Conference, 1995, Miami, FL
132. **Rastellini C**, Behboo R, Rilo H, Fontes P, Ricordi C, Starzl T, Rao A. Functional evaluation of isolated islets from baboon pancreata; IPITA Conference, 1995, Miami, FL
133. **Rastellini C**, Rilo H, Fontes P, Behboo R, Carroll P, Ricordi C, Starzl T, Rao A. The effect of donor age on the outcome of islets isolated from human pancreata; IPITA Conference, 1995, Miami, FL
134. Rilo H, Carroll P, Shapiro R, Jordan M, Scantlebury V, **Rastellini C**, Fontes P, Alejandro R, Mints D, Fung J, Starzl T, Rao A. Human Islet transplantation: Results of the first 37 patients. IPITA Conference, 1995, Miami, FL
135. Rao A, Fontes P, Zeevi A, Shapiro R, Jordan M, Corry R, Dodson F, Rugales M, Rilo H, **Rastellini C**, Aitouche A, Rosner G, Trucco M, Demetris A, Fung J, Starzl T. An attempt to induce donor-specific tolerance in whole organ allograft recipients by adjuvant bone marrow transplantation; IPITA Conference, 1995, Miami, FL
136. Cicalese L, Subbotin V, **Rastellini C**, Rao A, Stanko R. Preservation injury and acute rejection of small bowel grafts in the rat: protection afforded by pyruvate; Annual Meeting of the Society of Surgery for the Alimentary Tract, San Francisco, CA. For this study: Ross Resident and Fellow Research Award

137. Cicalese L, **Rastellini C**, Rao A, Stanko R. Pyruvate prevents mucosal reperfusion injury, oxygen free radical production and neutrophil infiltration after rat small bowel preservation and transplantation. IV International Symposium on Small Bowel Transplantation, Pittsburgh, PA
138. Nussler N, Cicalese L, Hoffman R, **Rastellini C**, Neuhaus P, Simmons R, Schraut W. Phenotypic and functional characteristic of intestinal intraepitheliallymphocytes during acute rejection of small intestinal allografts; IV International Symposium on Small Bowel Transplantation, Pittsburgh, PA
139. Schattenfroh N, Cicalese L, **Rastellini C**, Schraut W, Neuhaus P, Nussler A. Einfluss von Fk 506 auf die lymphozytare infiltration der dunndarmucosa und die funktion der intraepithelialen lymphozyten nach dunndarmtransplantation. Chirurgischen Forum, Berlin, Germany, April 1995
140. **Rastellini C**, Carroll P, Rilo H, Fontes P, Behboo R, Rao A, Starzl T, Ricordi C. Baboon pancreatic islet isolation and transplantation. II International Congress of the Cell Transplantation Society, Minneapolis, MN
141. Behboo R, Carroll P, Mermarzadeh S, Zeevi A, Conrad B, **Rastellini C**, Ricordi C. Improved long-term culture of functional human islets in serum-free medium. II International Congress of the Cell Transplantation Society, Minneapolis, MN
142. Ricordi C, Murase N, **Rastellini C**, Behboo R, Demetris A, Starzl T. Indefinite survival of rat islet allografts following infusion of donor bone marrow without cytoablation; II International Congress of the Cell Transplantation Society, Minneapolis, MN
143. **Rastellini C**, Carroll P, Rilo H, Fontes P, Behboo R, Rao A, Starzl T, Ricordi C. Isolation and in vitro function of baboon pancreatic islets and their capacity to reverse experimental diabetes in nude mice. 20th Annual Meeting of the American Society for Histocompatibility and Immunogenetics, Pittsburgh (USA) 1994
144. Ricordi C, Rilo H, Carroll P, Fontes P, Shapiro R, Tzakis A, Alejandro R, Behboo R, **Rastellini C**, Fung J, Scantlebury V, Starzl T. Human islet allograft follow-up: long term islets function and over 3 years of insulin independence. IV International Congress on Pancreas and Islet Transplantation, Amsterdam
145. Bachetoni A, Cinti P, Poli L, Pisani G, Cicalese L, **Rastellini C**, Di Nicuolo A, Pretagostini R, Berloco P, Alfani D, Cortesini R. Functional activity and phenotype of human T cell clones in kidney graft rejection. III International Congress of the Middle East Society for Organ Transplantation, Tunis, Tunisia December 6-9, 1992
146. De Castro S, Migliau G, Giannantoni P, Santilli M, Poli L, Cicalese L, Di Nicuolo A, **Rastellini C**, Pisani G, Pretagostini R, Berloco P, Alfani D, Cortesini R. Changes in cardiac morphology and

function in renal transplantation. III International Congress of the Middle East Society for Organ Transplantation, Tunis, Tunisia, December 6-9, 1992

147. Lorino G, Lilli D, Dicuonzo G, Rivanera D, Mancini C, Filadoro F, Pisani G, Cicalese L, Caricato M, **Rastellini C**, Poli L, Pretagostini R, Berloco P, Alfani D, Cortesini R. CMV infection follow-up of renal transplanted patients by polymerase chain reaction. III International Congress of the Middle East Society for Organ Transplantation, Tunis, Tunisia, December 6-9, 1992
148. Framarino dei Malatesta ML, Poli L, Pierucci F, Paolucci A, Piccioni MG Pisani G, Cicalese L, Di Nicuolo A, **Rastellini C**, Pretagostini R, Berloco P, Alfani D, Cortesini R. 28 pregnancies in kidney transplantation: a single center experience. III International Congress of the Middle East Society for Organ Transplantation, Tunis, Tunisia, December 6-9, 1992
149. Urbano D, Rossi M, De Simone P, **Rastellini C**, Cicalese L, Berloco P, Alfani D, Cortesini R. Colecistectomia laparoscopica. Analisi prospettica dei risultati della nostra esperienza. A proposito di 131 casi. Archivio ed atti della Soc. Italiana di Chirurgia. 94<sup>o</sup> Congresso, Roma, 25-29 Ottobre 1992

#### INVITED LECTURES:

- |      |  |
|------|--|
| 2017 | INVITED SPEAKER<br>"How to establish an Islet Transplant Program". Brenden-Colson Center for Pancreatic Care, Oregon Health & Science University.      |
| 2017 | "Key Note Speaker" at the White Coat Ceremony, SOM, Class 2021   |
| 2017 | INVITED SPEAKER<br>Will Body Program Ceremony, SOM and SHP, Class 2020   |
| 2014 | INVITED SPEAKER<br>University of Palermo<br>"Wharton's Jelly Mesenchymal Stem Cells in Pancreatic Islet Transplantation"                               |
| 2013 | INVITED SPEAKER<br>Giornate Oristanesi di Patologia Epatopancreatica. Oristano, Italy, March 14-15, 2013<br>"Pancreatic Islet Transplantation"         |
| 2013 | INVITED SPEAKER<br>SOUTH TEXAS CHAPTER AMERICAN COLLEGE of SURGEONS 2013. Annual Meeting, February 21-23<br>POKORNY LECTURE<br>"Islet Cell Transplant" |
| 2013 | INVITED SPEAKER<br>Conference of Italian Researchers in the World 2013   |

“Artificial Organs”

- 2010 GUEST LECTURER  
“Research in Transplantation”  
Prima Confereza Nazionale sulla Ricerca Sanitaria, Cernobbio, Italy, November 2010
- 2010 MODERATOR AND CONTRIBUTOR  
“Plenary Session and Debate on Solutions to Restructure the Italian Research and Health System to Retain Italian Health Researchers”  
Sesta Conferenza Recercatori Italiani 2010, Consolato Generale d’Italia a Houston  
Houston, Texas, December 4, 2010
- 2009 INVITED LECTURE  
Homecoming, 2009  
Galveston, TX  
“Pancreatic Islet Transplantation”
- 2009 INVITED LECTURE  
“Celebrating women”  
Galveston, TX  
“Breakthroughs in Diabetes”
- 2007 INVITED LECTURE  
Univerity “Campus Biomedico”  
Rome, Italy  
“Beta Cell Proliferation During Pregnancy”
- 2006 KEYNOTE SPEAKER  
Worcester Foundation  
“Translational Research: An Outstanding Example”  
“Diabetes: from bench to bedside”
- 2006 KEYNOTE SPEAKER  
NCURA Region I Spring Meeting, Sturbridge, MA  
“Innovative Tolerance Protocols in Pancreatic Islet Transplantation”
- 2006 INVITED LECTURE  
Darthmouth-Hitchcock Medical Center  
Lebanon, New Hampshire  
“Alternative Treatments for Diabetic Patients”
- 2005 INVITED LECTURE  
Department of Surgery, UMass Medical School  
“Hepatic Infection and Acute Hepatic Failure”

- 2005 INVITED SPEAKER  
AHEC (Area Health Education Collaborative)  
Frontiers in Science Conference, UMass Medical School  
“Pancreatic Islet Transplantation for the Treatment of Diabetes”
- 2005 INVITED SPEAKER  
l’Universite de Leone  
Leone, France  
“Establishment of Islet Transplant Program”
- 2005 INVITED SPEAKER  
Department of Surgery, Universita’ Campus Biomedico  
Rome, Italy  
“Beta Cell Proliferation”
- 2005 INVITED LECTURE  
Department of Surgery Resident Lecture, UMass Medical School  
“The Pancreas: A Basic Science Review”
- 2005 INVITED SPEAKER  
Department of Surgery Grand Rounds  
UMass Medical School  
“Pancreatic islet transplantation - Prevention and cure of diabetes”
- 2004 “SCIENCE IN ACTION” LECTURE  
Worcester Foundation for Biomedical Research  
University of Massachusetts Medical School  
“Diabetes and Islet Cell Transplantation”
- 2004 INVITED LECTURE  
XXXIV World Congress International College of Surgeons Meeting  
“Pancreatic Islet Transplantation—Cure and Prevention of Diabetes”  
Quito, Ecuador
- 2004 INVITED LECTURE  
Department of Surgery, Universita’ Campus Biomedico  
Rome, Italy. “Update on Pancreatic Islet Transplant Research”
- 2004 KEYNOTE SPEAKER  
NCURA Region I Spring Meeting, Sturbridge, MA  
“Pancreatic Islet Transplantation for the Treatment of Diabetes”
- 2003 INVITED LECTURE  
Department of Surgery Grand Rounds, UMass Med School  
“Pancreatic Islet Transplantation”





- 2003 INVITED LECTURE  
Department of Surgery Resident Lecture, UMass Medical School  
“Hepatic Infection and Acute Hepatic Failure”
- 2002 “CUTTING EDGE LECTURE”  
Chicago, Illinois  
“Pancreatic Islet Transplantation”
- 2001 INVITED LECTURE  
University of Illinois at Chicago, Department of Nutrition  
“New Approaches in Pancreatic Islet Transplantation”
- 2001 INVITED LECTURE  
University of Illinois at Chicago, Department of Bioengineering  
“Pancreatic Islet Transplantation”
- 2001 INVITED LECTURE  
Rush-Presbyterian-St. Luke's Medical Center  
“Pancreatic Islet Transplantation for the Treatment of Diabetes”
- 2001 INVITED LECTURE  
National Kidney Foundation, Chicago, Illinois  
“Pancreatic Islet Transplantation for the Treatment of Diabetes”
- 2001 INVITED LECTURE  
Chicago Chapter of the American College of Physician-American Society of Internal  
Medicine  
“Transplant Approaches for the Treatment of Diabetes”
- 2001 INVITED LECTURE  
West Suburban Dietetic Association of Illinois  
“Pancreatic Islet Transplantation for the Treatment of Diabetes”
- 2000 INVITED LECTURE  
University of Illinois at Chicago, Department of Endocrinology  
“Pancreatic Islet Transplantation for the Treatment of Type I Diabetes”
- 2000 INVITED LECTURE  
University of Wisconsin, Madison, WI  
“Tolerance Induction in Clinical Pancreatic Islet Transplantation”
- 2000 INVITED LECTURE  
University of South Carolina, Charleston, SC  
“Pancreatic Islet Transplantation”

- 1998 INVITED LECTURE  
University of Illinois at Chicago, Chicago, IL, "Combined simultaneous blockade of CD28/B7 and CD40/CD40L costimulatory pathways results in long-term acceptance of pancreatic islet allografts predominantly through the T cell anergy mechanism"
- 1996 INVITED LECTURE  
Diabetes Conference, Center for Diabetes & Endocrinology, Pittsburgh, PA  
"Update 1996: Islet Cell Transplantation, a Surgical Prospective"
- 1996 PLENARY SESSION LECTURE  
22nd Annual Scientific Meeting of the American Society of Transplant Surgeons, Dallas, TX  
"Transplantation of Isolated Pancreatic Islets to Reverse Type I Diabetes in Humans: Five-Year Experience"  
Selected for the ASTP/ASTS 96 CD-ROM program
- 1996 INVITED LECTURE  
Libero Istituto "Campus Biomedico", Rome, Italy  
"Pancreatic Islet Transplantation"
- 1996 INVITED LECTURE  
Italian Meeting for Continuing Medical Education in Diabetology  
Rome, Italy  
"Pancreatic Islet Transplantation"