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### Education

- 2019:** ASN II fascia (2019-2025) 06/A2 (General Pathology); 06/N1 (Medical Applied Technologies)  
**2009:** PhD in Medizinisch-Biologisch Forschung, with top marks and honors (Summa cum laude), University of Basel, Switzerland  
**2003:** MSc in Industrial Biotechnology with top marks (110/110), University of Milano-Bicocca, Milan, Italy

### Positions

- 2021-** RTD-B, Department of Biotechnology and Biosciences, University of Milan-Bicocca  
**2020- 2021:** Co-Director COVID-19 Serology Lab, Dept of Experimental Oncology, Istituto Europeo di Oncologia, IEO, Milan, (IT)  
**2018- 2021:** Junior Group Leader, Mucosal Immunology lab, Dept of Experimental Oncology, Istituto Europeo di Oncologia, IEO, Milan, (IT)  
**2014-2019:** PI of Start-Up AIRC, Dept of Experimental Oncology, Istituto Europeo di Oncologia, IEO, Milan, (IT)  
**2012-2013:** Visiting Associate, Immunobiology department, Yale University, New Haven CT (USA)  
**2010-2013:** Postdoctoral Research Fellow, Autoimmunity program, INGM (Istituto Nazionale Genetica Molecolare), Milan (IT)  
**2009-2010:** Postdoctoral Research Fellow, Experimental Immunology, University Hospital Basel, Department of Biomedicine, Basel, CH  
**2004-2009:** PhD Student, Experimental Immunology, University Hospital Basel, Department of Biomedicine, Basel, CH  
**2002-2004:** MSc student and Fellow, Immunology of Diabetes Unit, Scientific Institute San Raffaele, Milan, IT

### Top 5 Publications (impact in the field, number of citations)

- Burrello C, Garavaglia F, Cribiù FM, Ercoli G, Lopez G, Troisi J, Colucci A, Guglietta S, Carloni S, Guglielmetti S, Taverniti V, Nizzoli G, Bosari S, Caprioli F, Rescigno M, **Facciotti F.**  
 “Therapeutic fecal microbiota transplantation controls intestinal inflammation through IL10 secretion by immune cells”  
*Nature Communications* 2018 Dec 5;9(1):5184. doi: 10.1038/s41467-018-07359-8. (72 citations so far)
- **Facciotti F**, Ramanjaneyulu GS, Sansano S, Lepore M, Chan RB, Seedorf U, Wenk M, Forss-Petter S, Berger J, Xia C, Mori L, De Libero G  
 “Peroxisome-derived lipids are self-antigens for invariant natural killer T cells”  
*Nature Immunology*, Mar 18;13(5):474-8, 2012 doi: 10.1038/ni.2245. (144 citations so far)
- Nizzoli G., Krietsch J., Weick A., Steinfeldler S., **Facciotti F.**, Lozza L., Romagnani C., Stölzel K., Jähn P., Scheibenbogen C., Pignataro L., Abrignani S., Geginat J.  
 “Human CD1c+ dendritic cells secrete high levels of IL-12 and potently prime cytotoxic T cell responses”  
*Blood*. 2013 Aug 8;122(6):932-42. Doi: 10.1182/blood-2013-04-495424 (207 citations so far)

- Burrello C, Giuffrè MR, Macandog AD, Diaz-Basabe A, Cribiù FM, Lopez G, Borgo F, Nezi L, Caprioli F, Vecchi M, **Facciotti F**.  
“Fecal Microbiota Transplantation Controls Murine Chronic Intestinal Inflammation by Modulating Immune Cell Functions and Gut Microbiota Composition”.  
*Cells*. 2019 May 28;8(6). pii: E517. doi: 10.3390/cells8060517. (29 citations so far)
- Nizzoli G, Burrello C, Cribiù FM, Lovati G, Ercoli G, Botti F, Trombetta E, Porretti L, Todoerti K, Neri A, Giuffrè MR, Geginat J, Vecchi M, Rescigno M, Paroni M\*, Caprioli F\*, **Facciotti F\***.  
“Pathogenicity of in-vivo generated intestinal Th17 lymphocytes is IFN $\gamma$  dependent.”  
*Journal of Crohn's and Colitis* 2018 Jul 30;12(8):981-992. doi: 10.1093/ecco-jcc/jjy051 (9 citations so far)

Cumulative h-index (Nov 2021, Scopus **20**)

Total citations (Nov 2021, Scopus: **1322**)

#### Awards and Honors

- Competitive Grants from AIRC (Start-up 2013 and IG-2019), Italy's Ministry of Health (GR 2012, GR 2016)
- EMBO short term fellowship (sept-dec 2012 to visit Prof R.Flavell Lab, Yale University)
- Marie Curie IET (aug-sept 2004 to visit Prof De Llbero lab, University Hospital Basel)
- Best Basic research prize, IX Ig-IBD Congress, 2018
- Best Abstract Session IBD Pathogenesis, UEG week 2018

#### Invited communications

- 5.11.2021: “The role of microbiota in modulating intestinal mucosal immunity”  
Current management and future perspectives in IBD 2021, Webinar
- 16.09.2021: “Modulazione della flora intestinale come approccio terapeutico in IBD”  
PATHOS-17: MICROBIOTA e IBD, Le nuove frontiere della ricerca
- 12.09.2021: “Gut Microbiota Biomodulators on Mucosal Immunity and Intestinal Inflammation”  
11th Probiotics, Prebiotics & New Foods, Nutraceuticals and Botanicals for Nutrition & Human and Microbiota Health
- 28.05.2021: “State of the art of microbiome research in IBD”  
One year in IBD research 2020-21, Webinar
- 24.04.2021: “The good, the bad and the ugly: how the gut microbiota influences iNKT cell functions”  
HSR Immune lectures, Webinar
- 19.02.2021: “Gut microbiota-immune system axis and integrins: time for predictors of response”  
Building the optimal therapeutic strategy in IBD: Immunological, Pharmacokinetic/dynamic and microbial perspectives, Webinar
- 19.11.2020: “Immunology of FMT”  
Current management and future perspectives in IBD, Webinar
- 23.10.2020: “Mucosal immune system-gut microbiota crosstalk in intestinal inflammation and cancer”  
Exploring Human Host-Microbiome Interactions in Health and Disease,  
Wellcome Genome Campus, Virtual Congress
- 2.7.2020: Serological tests for SARS-CoV2 Antibodies detection: the IEO experience

- SIBBM, Societa' Italiana di Biologia Molecolare 1st Virtual COVID Seminar
- 27.1.2020: “Microbiota-immune system interactions in gut health”  
Nutrition Winter School, Levi, Lapland, Finland
  - 6.12.2019: “Microbiota e farmaci immunosoppressori”  
Microbiota e Sclerosi Multipla, Milan
  - 16.11.2018 “Conventional and unconventional T cells in inflammatory bowel disease”,  
IRG, Inflammation research in gastroenterology, Rome
  - 11.11.2018 “Intestinal inflammation: from pathogenesis to microbiota-targeted therapeutic interventions”  
University of Helsinki, Finland
  - 21.9.2018 “Microbiota, antibiotics and intestinal inflammation”  
IIBD-Pride, Padova
  - 26.4.2017 “Intestinal inflammation: from pathogenesis to therapeutic approaches”,  
University Hospital Basel, Basel, CH
  - 8.11.2016 “Intestinal inflammation and colorectal cancer: iNKT cells in the spotlight”,  
Istituto Italiano di Tecnologia IIT, Genova, IT
  - 26.6.2015 “iNKT cells contribute to Ulcerative colitis through a Th1/Th17 immune response”  
Humanitas Research Institute; Milan, IT
  - 1.10.2014 “Intestinal inflammation and colorectal cancer: iNKT cells in the spotlight”,  
San Raffaele Hospital HSR, Milan, IT

#### Scientific Committees

- 2017- 2021 Coordinator of Basic Science Committee, AGGEI  
2011-2015 Scientific Committee “Milan Meets Immunology”

#### Teaching activity

- 2021- Molecular Immunology, Biotechnology, University of Milan-Bicocca, (6 CFU/42 hr course)  
2015- SEMM (PhD Program, School European of Molecular Medicine), Faculty Member and Immunology course  
2019- Clinical Microbiology, Biologia Applicata alla Ricerca Biomedica, University of Milan, (Selected lectures)  
2018- 2019 PhD program Humanitas University, Immunology Course (Selected lectures on T cells)  
2017- PhD program University of Milan, Translational Medicine (Selected lectures)  
2016 MASTERIO, Immunology Course

#### Trainees

##### Current (position, support, year of entry)

- Francesco Strati (PostDoc, FIEO-CCM Fellowship, 2019)
- Federica Perillo (PhD student SEMM, AIRC-IG2019, 2020). Previously: MSc BARB undergraduate student 2019, graduated 10/2020 with 110/L
- Angelica Diaz-Basabe (PhD student SEMM, UniMI, 2019). Previously: MSc BARB undergraduate student 2018, graduated 10/2019 with 110)
- Georgia Lattanzi (PhD student SEMM, GR-2016, 2018)
- Chiara Amoroso (Fellow, GR-2016, 2020). Previously: MSc BARB undergraduate student 2019, graduated 10/2020 110/L)

- Maria Rita Giuffre' (Fellow, AIRC fellowship, 2019)
- Erika Mileti (Technician, IEO core funding seed grant , 2018)
- Filippo Artini (undergraduate BARB UniMI, 2020)
- Giulia Bruno (undergraduate Uni Ferrara, 2021)

Past (Position, Year of permanence, Current position)

- Claudia Burrello (Fellow AIRC Start-Up, PhD student SEMM, FIEO-CCM Fellowship, 2014). Now: holder of an EMBO longterm fellowship in the laboratory of K. de Visser, NKI, Amsterdam, The Netherlands
- Giulia Nizzoli (PostDoc FUV Fellowship, 2016) Now: MSL Roche Oncology
- Giulia Lovati undergraduate BARB UniMI, 2018 (graduated 10/2019 110/L) Now: PhD student SEMM, Lanfrancone lab
- Federica Garavaglia undergraduate Biology UniMI, 2017 (graduated 10/2018 110/L) Now: R&D company
- Ilaria Magagna undergraduate BARB UniMI, 2015 (graduated 10/2016 110/L). Now: PhD student Institute Pasteur Paris, Fatima Mechta-Grigoriou lab

Editorial and Revision activity

- Editor of "Frontiers in Immunology" Research Topic: The Role of Physical and Biological Gut Barriers in Modulating Crosstalk between the Microbiota and the Immune System
- Guest Associate Editor for Frontiers in Immunology, Mucosal Immunity
- Ad hoc Reviewer for scientific journals: *Nature Communications*, *Scientific Reports*, *Cellular and Molecular Gastroenterology and Hepatology*, *Digestive and Liver Disease*, *Inflammatory Bowel Disease*, *Journal of Leukocyte Biology*, *Journal of Crohn's and Colitis*, *Immunology Letters*, *Molecular Immunology*, *European Journal of Immunology*, *Gut Microbes*
- Ad hoc Reviewer for granting agencies: Krebsforschung Schweiz, Tiroler Wissenschaftsförderung, French ANR Agence Nationale de la Recherche, Cancer Research UK, Ig-IBD Gruppo Italiano per lo studio delle Malattie Infiammatorie Intestinali

Book chapters

- Methods for Preclinical Faecal Microbiota Transplantation in IBD murine models and its Evaluation, 2021
- Gut microbiota-derived metabolites in host physiology, 2021

Publication list (2004-2021)

1. Díaz-Basabe A, Burrello C, Lattanzi G, Botti F, Carrara A, Cassinotti E, Caprioli F, **Facciotti F**  
“Human Intestinal and Circulating invariant Natural Killer T cells are cytotoxic against Colorectal Cancer cells via the Perforin/Granzyme pathway”  
*Molecular Oncology*, accepted 16 September 2021, doi:10.1002/1878-0261.13104
2. Zanchettin A, **Facciotti F**  
“A collaborative robotic solution to partly automate SARS-CoV-2 serological tests in small facilities”  
*SLAS technology*, accepted 12 October 2021
3. Elli L., **Facciotti F**, Lombardo V, Scricciolo A, Sanders D, Vaira V, Barisani D, Vecchi M, Costantino A, Scaramella L, dell’Osso B, Doneda L, Roncoroni L  
“Impact of SARS-CoV2 infection in patients with celiac disease”  
*DLD*, accepted 30 August 2021, <https://doi.org/10.1016/j.dld.2021.08.027>
4. Ricke-Hoch M, Stelling E, Lasswitz L, Gunesch AP, Kasten M, Zapatero-Belinchón FJ, Brogden G, Gerold G, Battmer K, Pietschmann T, Montiel V, Balligand JL, **Facciotti F**, Hirsch E, Höfer A, Kühnel MP, Jonigk D, Julian Eigendorf J, Tegtbur U, Mink L, Scherr M, Tillig T, Schambach A, Pfeffer TJ, Birgit Andre B, Andres Hilfiker A, Haverich A, Hilfiker-Kleiner D  
“Aging, male sex and air pollution potentiate SARS-CoV-2-induced Prostaglandin E2 which impairs the host’s immune response”  
*PlosOne*, accepted 27.07.2021 doi: 10.21203/rs.3.rs-129664/v1
5. Strati F, Pujolassos M, Burrello C, Giuffrè MR, Lattanzi G, Caprioli F, Troisi J, **Facciotti F**  
“Antibiotic-associated dysbiosis affects the ability of the gut microbiota to control intestinal inflammation upon faecal microbiota transplantation in experimental colitis models”  
*Microbiome*. 2021 Feb 6;9(1):39. doi: 10.1186/s40168-020-00991-x.
6. Bost P, Francesco De Sanctis F, Cane S, Ugel S, Donadello K, Castellucci M, Eyal D, Fiore A, Anselmi C, Barouni RM, Trovato R, Caligola S, Lamolinara A, Iezzi M, **Facciotti F**, Mazzariol AR, Gibellini D, De Nardo P, Tacconelli E, Gottin L, Polati E, Schwikowski B, Amit I, Bronte V  
“Deciphering the state of immune silence in fatal COVID-19 patients”  
*Nature Communications*, accepted 31.01.2021 medRxiv 2020.08.10.20170894;  
doi: <https://doi.org/10.1101/2020.08.10.20170894>
7. Valenti L, Bergna A, Pelusi P, **Facciotti F**, Lai A, Tarkowski M, Berzuini, Caprioli F, Santoro L, Baselli G, Della Ventura C, Erba E, Bosari S, Galli M, Zehender G, Prati D  
“SARS-CoV-2 seroprevalence trends in healthy blood donors during the COVID-19 Milan outbreak”  
*Blood Transfusion*, 2021 Feb 3. doi: 10.2450/2021.0324-20
8. Berte’ R, Mazza S, Stefanucci MR, Noviello D, Costa S, Ciafardini C, Mileti E, Mapelli M, Pasqualato S, Pinto S, Favale A, Vecchi M, Neurath MF, Atreya R, Fantini MC, **Facciotti F**, Caprioli F  
“Seroprevalence of SARS-CoV2 in IBD patients treated with biological therapy”  
*J Crohn’s Colitis*. 2020 Nov doi: 10.1093/ecco-jcc/jjaa237
9. Bruni M, Cecatiello V, Diaz-Basabe A, Lattanzi G, Mileti E, Monzani S, Pirovano L, Rizzelli F, Visintin C, Bonizzi G, Giani M, Lavitrano M, Faravelli S, Forneris F, Caprioli F, Pelicci PG, Natoli G, Pasqualato S, Mapelli M, **Facciotti F**.

"Persistence of Anti-SARS-CoV-2 Antibodies in Non-Hospitalized COVID-19 Convalescent Health Care Workers." *J Clin Med*. 2020 Oct 1;9(10):3188. doi: 10.3390/jcm9103188.

**10.** Hiippala K., Barreto G, Burrello C, Diaz-Basabe A, Suutarinen M, Kainulainen V, Bowers JR, Lemmer D, Engelthaler DM, Kari K, Eklund KK, **Facciotti F**, Satokari R

"Novel *Odoribacter splanchnicus* Strain and Its Outer Membrane Vesicles Exert Immunoregulatory Effects in vitro" *Frontiers in Microbiology*, 11:575455. doi: 10.3389/fmicb.2020.575455

**11.** Fantini MC, Favale A, Onali S, **Facciotti F**.

"Tumor infiltrating Regulatory T cells in sporadic and colitis-associated colorectal cancer: the red little riding hood and the wolf"

*Int. J. Mol. Sci.* 2020 Sep 14;21(18):6744. doi: 10.3390/ijms21186744.

**12.** Leccese G, Bibi A, Mazza S, **Facciotti F**, Caprioli F, Landini P, Paroni M

"Probiotic *Lactobacillus* and *Bifidobacterium* Strains Counteract Adherent-Invasive *Escherichia coli* (AIEC) Virulence and Hamper IL-23/Th17 Axis in Ulcerative Colitis, but Not in Crohn's Disease."

*Cells*. 2020 Aug 1;9(8):E1824. doi: 10.3390/cells9081824.

**13.** Perillo F, Amoroso C, Strati F, Giuffrè MR, Díaz-Basabe A, Lattanzi G, **Facciotti F**.

"Gut Microbiota Manipulation as a Tool for Colorectal Cancer Management: Recent Advances in Its Use for Therapeutic Purposes."

*Int J Mol Sci.* 2020 Jul 29;21(15):5389. doi: 10.3390/ijms21155389.

**14.** Díaz-Basabe A, Strati F, **Facciotti F**.

"License to Kill: When iNKT Cells Are Granted the Use of Lethal Cytotoxicity."

*Int J Mol Sci.* 2020 May 30;21(11):3909. doi: 10.3390/ijms21113909.

**15.** Coletta M, Paroni M, Alvisi MF, De Luca M, Rulli E, Mazza S, **Facciotti F**, Lattanzi G, Strati F, Abrignani S, Fantini MC, Vecchi M, Geginat J, Caprioli F.

"Immunological variables associated with clinical and endoscopic response to vedolizumab in patients with inflammatory bowel diseases."

*J Crohn's Colitis*. 2020 Feb 26;jjaa035. doi: 10.1093/ecco-jcc/jjaa035.

**16.** **Facciotti F\***, Larghi P\*, Bosotti R, Vasco C, Gagliani N, Cordiglieri C, Mazzara S, Ranzani V, Rottoli E, Curti S, Penatti A, Karnani B, Kobayashi Y, Crosti M, Bombaci M, van Hamburg JP, Rossetti G, Gualtierotti R, Gerosa M, Gatti S, Torretta S, Pignataro L, Tas SW, Abrignani S, Pagani M, Grassi F, Meroni PL, Flavell RA, Geginat J.

"Evidence for a pathogenic role of extrafollicular, IL-10-producing CCR6+B helper T cells in systemic lupus erythematosus."

*Proc Natl Acad Sci U S A*. 2020 Mar 31;117(13):7305-7316. doi: 10.1073/pnas.1917834117. Epub 2020 Mar 17.

**17.** Caini S, Bellerba F, Corso F, Díaz-Basabe A, Natoli G, Paget J, **Facciotti F**, De Angelis SP, Raimondi S, Palli D, Mazzarella L, Pelicci PG, Vineis P, Gandini S.

"Meta-analysis of diagnostic performance of serological tests for SARS-CoV-2 antibodies up to 25 April 2020 and public health implications."

*Euro Surveillance* 2020 Jun;25(23):2000980. doi: 10.2807/1560-7917.ES.2020.25.23.2000980.

**18.** Bronte V, Ugel S, Tinazzi E, Vella A, De Sanctis F, Canè S, Batani V, Trovato R, Fiore A, Petrova V, Hofer F, Barouni RM, Musiu C, Caligola S, Pinton L, Torroni L, Polati E, Donadello K, Friso S, Pizzolo F, Iezzi M, **Facciotti F**, Pelicci PG, Righetti D, Bazzoni P, Rampudda M, Comel AC, Mosaner W, Lunardi C, Olivieri O.

"Baricitinib restrains the immune dysregulation in severe COVID-19 patients."

*J Clin Invest*. 2020 Aug 18;141772. doi: 10.1172/JCI141772.

**19.** Amoroso C, Perillo F, Strati F, Fantini MC, Caprioli F, **Facciotti F**.

"The Role of Gut Microbiota Biomodulators on Mucosal Immunity and Intestinal Inflammation."

*Cells*. 2020 May 16;9(5):1234. doi: 10.3390/cells9051234.

- 20.** Di Giovangiulio M, Rizzo A, Franzè E, Caprioli F, **Facciotti F**, Onali S, Favale A, Stolfi C, Fehling HJ, Monteleone G, Fantini MC.  
“Tbet Expression in Regulatory T Cells Is Required to Initiate Th1-Mediated Colitis.”  
*Front Immunol.* 2019 Sep 11;10:2158. doi: 10.3389/fimmu.2019.02158. eCollection 2019.
- 21.** Sorini C, Cosorich I, Lo Conte M, De Giorgi L, **Facciotti F**, Lucianò R, Rocchi M, Ferrarese R, Sanvito F, Canducci F, Falcone M.  
“Loss of gut barrier integrity triggers activation of islet-reactive T cells and autoimmune diabetes.”  
*Proc Natl Acad Sci U S A.* 2019 Jul 23;116(30):15140-15149. doi: 10.1073/pnas.1814558116. Epub 2019 Jun 10.
- 22.** Burrello C, Giuffrè MR, Macandog AD, Diaz-Basabe A, Cribiù FM, Lopez G, Borgo F, Nezi L, Caprioli F, Vecchi M, **Facciotti F**.  
“Fecal Microbiota Transplantation Controls Murine Chronic Intestinal Inflammation by Modulating Immune Cell Functions and Gut Microbiota Composition”.  
*Cells.* 2019 May 28;8(6). pii: E517. doi: 10.3390/cells8060517.
- 23.** Giuffrida P, Caprioli F, **Facciotti F**, Di Sabatino A.  
“The role of IL13 in chronic inflammatory intestinal disorders”  
*Autoimmun Rev.* 2019 May;18(5):549-555. doi: 10.1016/j.autrev.2019.03.012. Epub 2019 Mar 4.
- 24.** Burrello C, Pellegrino G, Giuffrè MR, Lovati G, Magagna I, Bertocchi A, Cribiù FM, Boggio F, Botti F, Trombetta E, Porretti L, Di Sabatino A, Vecchi M, Rescigno M, Caprioli F, **Facciotti F**.  
“Mucosa-associated microbiota drives pathogenenic functions in IBD-derived intestinal iNKT cells”  
*Life Sci Alliance.* 2019 Feb 13;2(1). pii: e201800229. doi: 10.26508/lsa.201800229
- 25.** Burrello C, Garavaglia F, Cribiù FM, Ercoli G, Lopez G, Troisi J, Colucci A, Guglietta S, Carloni S, Guglielmetti S, Taverniti V, Nizzoli G, Bosari S, Caprioli F, Rescigno M, **Facciotti F**.  
“Therapeutic fecal microbiota transplantation controls intestinal inflammation through IL10 secretion by immune cells”  
*Nature Communications.* 2018 Dec 5;9(1):5184. doi: 10.1038/s41467-018-07359-8.
- 26.** Guarin P, Maglie S, De Simone M, Haeringer B, Vasco C, Ranzani V, Bosotti R, Noddings JS, Larghi P, **Facciotti F**, Sarnicola M, Martinovic M, Crosti MC, Moro M, Rossi RL, Bernardo E, Caprioli F, Locatelli F, Rossetti G, Abrignani S, Pagani M and Geginat  
“Eomesodermin controls a unique differentiation program in human IL-10 and IFN $\gamma$  co-producing regulatory T cells”  
*Eur J Immunol.* 2019 Jan;49(1):96-111. doi: 10.1002/eji.201847722.
- 27.** Cribiù FM, Burrello C, Tacchi R, Boggio F, Ricca D, Caprioli F, Bosari S, **Facciotti F**.  
“Using robotic systems to process and embed murine samples for histological analyses”.  
*J Vis Exp.* 2019 Jan 7;(143). doi: 10.3791/58654.
- 28.** Bevivino G, Sedda S, Franzè E, Stolfi C, Di Grazia A, Dinallo V, Caprioli F, **Facciotti F**, Colantoni A, Ortenzi A, Rossi P, Monteleone G.  
“Follistatin-like protein 1 sustains colon cancer cell growth and survival.”  
*Oncotarget.* 2018 Jul 27;9(58):31278-31290. doi: 10.18632/oncotarget.25811. eCollection 2018 Jul 27.
- 29.** Burrello C, Garavaglia F, Cribiù FM, Ercoli G, Bosari S, Caprioli F, **Facciotti F**  
“Short-term oral antibiotics treatment promotes inflammatory activation of colonic invariant natural Killer and Conventional CD4<sup>+</sup> T cells”  
*Frontiers in medicine* Published on 07 February 2018; doi: 10.3389/fmed.2018.00021
- 30.** Nizzoli G, Burrello C, Cribiù FM, Lovati G, Ercoli G, Botti F, Trombetta E, Porretti L, Todoerti K, Neri A, Giuffrè MR, Geginat J, Vecchi M, Rescigno M, Paroni M\* Caprioli F\*, **Facciotti F\***.  
“Pathogenicity of in-vivo generated intestinal Th17 lymphocytes is IFN $\gamma$  dependent.”  
*Journal of Crohn’s and Colitis* 2018 Jul 30;12(8):981-992. doi: 10.1093/ecco-jcc/jyy051
- 31.** Cribiù FM, Burrello C, Ercoli G, Garavaglia F, Villanacci V, Caprioli F, Bosari S, **Facciotti F**.

"Implementation of an automated inclusion system for the histological analysis of murine models of intestinal inflammation: a feasibility study in DSS-induced chronic colitis".

*European Journal of Inflammation*, 2018 Volume 16-1

**32.** Alfén JS\*, Larghi P\*, **Facciotti F\***, Gagliani N\*, Paroni M, Maglie S, Gruarin P, Roberto Bosotti R, Iseppon A, Moro M, Crosti MC, Gatti S, Pagani M, Caprioli F, Abrignani S, Flavell R and Geginat J

"Intestinal, IFN- $\gamma$  producing Tr1-cells co-express CCR5 and PD-1, and down-regulate IL-10 in the inflamed gut of IBD patients"

*J Allergy Clin Immunol.* 2018 Jan 21. pii: S0091-6749(18)30078-2. doi: 10.1016/j.jaci.2017.12.984.

**33.** Dongiovanni P, Meroni M, Baselli GA, Bassani GA, Rametta R, Pietrelli A, Maggioni M, **Facciotti F**, Trunzo V, Badiali S, Fargion S, Gatti S, Valenti L.

Insulin resistance promotes Lysyl Oxidase Like 2 induction and fibrosis accumulation in non-alcoholic fatty liver disease.

*Clin Sci (Lond).* 2017 Jun 7;131(12):1301-1315. doi: 10.1042/CS20170175. Print 2017 Jun 1.

**34.** Penatti\*, **Facciotti F.\*§**, De Matteis R, Larghi P, Paroni M, Murgio A, De Lucia O, Pagani M, Pierannunzii L, Truzzi M, Ioan-Facsinay A, Abrignani S, Geginat J, Meroni PL.

"Differences in serum and synovial CD4+ T cells and cytokine profiles to stratify patients with inflammatory osteoarthritis and rheumatoid arthritis."

*Arthritis Res Ther.* 2017 May 19;19(1):103. doi: 10.1186/s13075-017-1305-1.

§, corresponding author

**35.** **Facciotti F**, Gagliani N, Häringer B, Alfén JS, Penatti A, Maglie S, Paroni M, Iseppon A, Moro M, Crosti MC, Stölzel K, Romagnani C, Moroni G, Ingegnoli F, Torretta S, Pignataro L, Annoni A, Russo F, Pagani M, Abrignani S, Meroni P, Flavell R, Geginat J.

"IL-10-producing forkhead box protein 3-negative regulatory T cells inhibit B-cell responses and are involved in systemic lupus erythematosus.

*J Allergy Clin Immunol.* 2016 Jan;137(1):318-321.e5. doi: 10.1016/j.jaci.2015.06.044. Epub 2015 Aug 25

**36.** Biancheri P\*, Ammoscato F\*., Di Sabatino A., **Facciotti F.**, Caprioli F., Joe-Njoku I., Giuffrida P., Rovedatti L., Corazza GR., MacDonald TT

"Absence of a role of IL-13 in inflammatory bowel disease",

*European Journal of Immunology* 2014 2014 Feb;44(2):370-85. doi: 10.1002/eji.201343524.

**37.** Geginat J, Paroni M, **Facciotti F**, Gruarin P, Kastirri I, Caprioli F, Pagani M, Abrignani S.

"The CD4 centered universe of human T cell subsets."

*Semin Immunol.* 2013 Nov 15;25(4):252-62. doi: 10.1016/j.smim.2013.10.012. Epub 2013 Nov 1.

**38.** Caprioli F., Marafini I., **Facciotti F.**, Pallone F., Monteleone G.

"Targeting T cells in chronic inflammatory bowel diseases"

*Journal of Clinical & Cellular Immunology*, Review, June 2013

**39.** Nizzoli G., Krietsch J., Weick A., Steinfeld S., **Facciotti F.**, Lozza L., Romagnani C., Stölzel K., Jähn P., Scheibenbogen C., Pignataro L., Abrignani S., Geginat J.

"Human CD1c+ dendritic cells secrete high levels of IL-12 and potently prime cytotoxic T cell responses"

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