

Prof. Chiara Romagnani, MD, PhD

1 | General information

Contact details: Division of Gastroenterology, Infectiology and Rheumatology, Charité – Universitätsmedizin Berlin and German Rheumatism Research Centre (DRFZ) in Berlin: A Leibniz Institute Charitéplatz 1, 10117 Berlin

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Current position: Full Professorship at the Charité - Universitätsmedizin Berlin (W3) and Chair of the Leibniz Campus “Chronic Inflammation”

Researcher unique identifier(s): ORCID-ID: Romagnani, 0000-0002-5167-7463, Researcher ID: E-4708-2016

2 | Academic education

2003 – 2006 Immunology, University of Genoa, Italy, PhD
1991 – 1998 Medical School, University of Florence, Italy, MD
1993 Research fellowship Brigham & Women's Hospital and Department of Pathology, Harvard Medical School, Boston, MA (AK Abbas), USA

3 | Advanced academic qualifications:

2006 PhD thesis, Immunology, “NK cell modulation and differentiation mediated by dendritic cells and cytokines”, University of Genova, Italy, (Mentor: Lorenzo Moretta)
1998 MD thesis “*Helicobacter pylori* and gastric MALToma: immunopathogenic mechanisms”, University of Florence, Italy, (Supervisor: Gianfranco Del Prete)

4 | Postgraduate professional career:

Since 2020 W3 Professorship “Immunology of Inflammation”, Department of Gastroenterology, Infectious Diseases and Rheumatology, Charité -Universitätsmedizin Berlin and Chair of the Leibniz Campus “Chronic Inflammation”
2017 – 2020 W2 Heisenberg Professor for “Innate Mechanism of Chronic Inflammation”, Department of Gastroenterology, Infectious Diseases and Rheumatology, Charité - Universitätsmedizin Berlin
Since 2009 Group leader of research group “Innate Immunity”, DRFZ Berlin
2007 – 2009 Postdoc fellow, Institute of Immunology (Charité – Universitätsmedizin Berlin, CBF)
2006 – 2007 EMBO fellowship, DRFZ Berlin
2003 – 2006 PhD in Immunology
1998 – 2003 Medical specialty in Oncology

5 | Other:

Awards/Honors

- W3-Full Professorship Technical Immunology at the Faculty III of the TU Berlin (2020)
- DFG-Heisenberg Professorship (2017)
- DFG-nominated member of AcademiaNet – “Expert Database for Outstanding Female Academics” (2016)
- EMBO fellowship (2006)

Other professional activities:

- Chair of the Executive Committee of the European Journal of Immunology (since 2022)
- Editorial Board Immunity (since 2020)
- Speaker of the PhD program “Interdisciplinary Center of Infection Biology and Immunity” (ZIBI), Berlin (since 2020)

- Committee for the DGfI-Robert-Koch Postdoctoral Prize and for the Avrion Mitchison Prize (since 2019)
- Board of the German Society of Immunology (DGfI) (since 2018)
- Chief Editor: *Frontiers in Immunology* - NK and ILC section (2017 – 2020)

6 | Selected publications:

1. Stehle C, Rückert T, Fiancette R, Gajdasik DW, Willis C, Ulbricht C, Durek P, Mashreghi MF, Finke D, Hauser AE, Withers DR, Chang HD, Zimmermann J* and **Romagnani C***. T-bet and ROR α control lymph node formation by regulating embryonic innate lymphoid cell differentiation. **Nat Immunol** 2021; 22(10):1231-1244 (
2. Hernández DC, Juelke K, Müller NC, Durek P, Ugursu B, Mashreghi MF, Rückert T, **Romagnani C**. An in vitro platform supports generation of human innate lymphoid cells from CD34+ hematopoietic progenitors that recapitulate ex vivo identity. **Immunity** 2021; 12;54(10):2417-2432.e5
3. Babic M, Dimitropoulos C, Hammer Q, Stehle C, Heinrich F, Sarsenbayeva A, Eisele A, Durek P, Mashreghi MF, Lisnic B, Van Snick J, Löhning M, Fillatreau S, Withers DR, Gagliani N, Huber S, Flavell RA, Polic B, **Romagnani C**. NK cell receptor NKG2D enforces pro-inflammatory features and pathogenicity of Th1 and Th17 cells. **J Exp Med** 2020; 217(8):e20190133
4. Hammer Q, Rückert T, **Romagnani C**. Natural killer cell specificity for viral infections. **Nat Immunol** 2018; 19(8):800-808
5. Hammer Q, Rückert T, Borst EM, Dunst J, Haubner A, Durek P, Heinrich F, Gasparoni G, Babic M, Tomic A, Pietra G, Nienen M, Blau IW, Hofmann J, Na IK, Prinz I, Koenecke C, Hemmati P, Babel N, Arnold R, Walter J, Thurley K, Mashreghi MF, Messerle M, **Romagnani C**. Peptide-specific recognition of human cytomegalovirus strains controls adaptive natural killer cells. **Nat Immunol** 2018; 19(5):453-463
6. Diefenbach A, Colonna M, **Romagnani C**. The ILC World Revisited. **Immunity** 2017; 46(3):327-332
7. Annunziato F, **Romagnani C**, Romagnani S. The 3 major types of innate and adaptive cell-mediated effector immunity. **J Allergy Clin Immunol** 2015; 135(3):626-35
8. Luetke-Eversloh M, Hammer Q, Durek P, Nordström K, Gasparoni G, Pink M, Hamann A, Walter J, Chang HD, Dong J and **Romagnani C**. Human Cytomegalovirus Drives Epigenetic Imprinting of the IFNG Locus in NKG2Chi Natural Killer Cells. **PLoS Pathog** 2014; 10(10):e1004441
9. Montaldo E, Teixeira-Alves LG, Glatzer T, Hamann W, Babic M, Paclik D, Stölzel K, Gröne J, Lozza L, Juelke K, Matzmohr N, Loiacono F, Petronelli P, Huntington ND, Moretta L, Mingari MC and **Romagnani C**. Human ROR γ ⁺ CD34+ cells are lineage-specified progenitors of group ROR γ ⁺ innate lymphoid cells. **Immunity** 2014; 41(6):988-1000
10. Glatzer T, Killig M, Meisig J, Ommert I, Luetke-Eversloh M, Babic M, Paclik D, Blüthgen N, Seidl R, Seifarth C, Gröne J, Lenarz M, Stölzel K, Fugmann D, Porgador A, Hauser A, Karlas A, **Romagnani C**. ROR γ ⁺ innate lymphoid cells acquire a proinflammatory program upon engagement of the activating receptor NKp44. **Immunity** 2013; 38(6):1223-35

*contributed equally