

CURRICULUM VITAE

Ada FUNARO

EDUCATION

1971-76: Attended the Liceo Classico in Torino, Italy (Diploma).

1976-80: Attended the Faculty of Science, University of Torino, Italy. Graduated in Biology.

1992: PhD degree in Human Genetics

PROFESSIONAL EXPERIENCE

1980-83: Awarded a fellowship from Associazione Italiana Ricerca Cancro (AIRC), concerning the analysis of estrogenic and progestynic receptors in breast cancer.

1984: Awarded the grant of Gruppo di Cooperazione in Cancerologia, with the project "Monoclonal antibodies as analytical probes of molecules expressed during cellular differentiation and tumoral transformation".

1985 (March): Visiting Scientist, Laboratory of Molecular Immunology, Public Health Research Institute, New York, USA

1985-87: Awarded a fellowship from Associazione Italiana Ricerca Cancro (AIRC) with the project "Production of monoclonal antibodies against human fetal, embryonic tumor structures".

1990-92: Awarded a fellowship from the Istituto Superiore di Sanita' for studies focused on AIDS.

1988-1992: Ph.D. degree in Human Genetics.

1998-2000: Research Assistant: Production and characterization of monoclonal antibodies specific for hormon receptors. Department of Biomedical Sciences and Human Oncology, University of Torino.

2001: Research Assistant: Production and characterization of monoclonal antibodies for clinical application. Department of Genetics, Biology, Biochemistry, University of Torino.

2001-2004: Assistant professor of Recombinant DNA Technologies, University of Torino, School of Medicine.

2005: Associate professor in Medical Genetics, University of Torino, School of Medicine.

Permanent position: Associate Professor of Medical Genetics, Department of Medical Sciences, School of Medicine, University of Torino.

INSTITUTIONAL ROLES

2009-11: Member of the Education Committee of the School of Medicine, University of Torino

2010-present: Member of the Education Committee of the School for Biotechnologies, University of Torino

2011-present: reviewer of research projects funded by the Ministry of Education and Scientific Research.

Member of the Research Committee of the Department of Medical Sciences, School of Medicine, University of Torino

HONORS

Member of the Scientific Committee of the Fondazione Internazionale Ricerca in Medicina Sperimentale (FIRMS) of Torino

Member of the Italian Society of Human Genetics (SIGU)

Italian Society of Immunology, Clinical Immunology and Allergy
Member of the Society for Leukocyte Biology

EDITORIAL ACTIVITY

Member of the Editorial Board - TheScientificWorldJournal

Member of the Editorial Board - International Journal of Gynecological and Obstetrical Research

REVISION ACTIVITY

British Journal of Cancer (Springer); BMC Cancer (BioMed central); International Journal of Cancer (Wiley); PLOS One; Seminars in Cancer Biology (Elsevier); International Journal of Gynecological and Obstetrical Research (Hindawi Publishing Corporation); Journal of Biomedicine and Biotechnology (Hindawi Publishing Corporation); Journal of Clinical Laboratory Analysis (Wiley); Mediators of Inflammation (Hindawi Publishing Corporation); Journal of Cellular Physiology (Wiley).

PRINCIPAL GRANTS

2002-2004: Serono International S.A. Geneva, Switzerland

2003-2005: Ministry of Health

2005-2007: Ribovax Biotechnologies S.A. (Geneva, Switzerland).

2006-2010: Piedmont Region

2006-2012: Ministry of Education and Scientific Research

2006-2008: PRIN Project, Ministry of Education and Scientific Research

2007-2009: Fondazione Cassa di Risparmio di Verona, Vicenza e Ancona

2009-2011: PRIN Project, Ministry of Education and Scientific Research, Italy (PI of the research Unit)

2009-2010: National Institute of Health, Roma, Italy -Strategic Project for Production new antiviral drugs. Project title: Production of human monoclonal antibodies neutralizing the infection by influenza viruses (Principal Investigator)

2012: MIUR – Project title: CD157: un potenziale biomarcatore per lo sviluppo di nuove strategie diagnostiche e terapeutiche del mesotelioma (Principal Investigator).

2013: MIUR – Project title: A novel marker for malignant pleural mesothelioma (Principal Investigator)

2014-16: Ministry of Health (Ricerca Sanitaria Finalizzata 2011-12) RF-2011-02352331 “Systemic Sclerosis and Chronic Graft versus Host Disease: application of novel predictive assays and generation of transgenic animal models”. (PI of the Research Unit).

2015-2017: Associazione Italiana Ricerca Cancro (AIRC) IG15968 “Dissecting the role of CD157 in malignant pleural mesothelioma: from prognosis to personalized therapy” (Principal Investigator).

2015-2017: Menarini Research (Roma, Italy)(Principal Investigator).

2017:MIUR – Project title:CD157 as a potential pleural effusion biomarker for malignant mesothelioma.

2017:CD157 in the regulation of stem cells niche microenvironment: bone marrow stromal cells as a model.I@UNITO internalization program.

TUTORING ACTIVITIES:

- training, first and master degree thesis in Biotechnology and in Medicine, University of Torino

- PhD program in Complex systems for life sciences, University of Torino.

SCIENTIFIC INTERESTS

Production and characterization of the monoclonal antibodies.

Functional, molecular and structural characterization of molecules involved in leukocyte trafficking.

Functional, structural and biochemical characterization of ectoenzymes implicated in tumor cell invasion and metastatisation.

Production and characterization of human monoclonal antibodies specific for tumor-associated molecule and viral antigens.

Generation and characterization of human monoclonal antibodies from the immunological repertoire of patients with autoimmune diseases. Design and optimization of immunoenzymatic assays for

the quantification of soluble molecules and autoantibodies

PUBLICATIONS

papers with peer review = 96

papers with I.F. = 89

Total I.F. (2014) = 411.16

mean I.F. = 4.62

h index (ISI Web of Sciences)= 27

Book chapters = 20

Patents = 9

<http://patentscope.wipo.int/search/en/result.jsf>

Publications

Full papers

1) E. Pansa, M. Risio, A. Bernardi, B. Griselli, **A. Funaro**. Distribution of intercellular, intracytoplasmatic and surface immunoglobulin in type B non- Hodgkin lymphoma. Employment of indirect immunofluorescence in detection of immunomorphological features.

Pathologica 74: 33-35, 1983

2) **A. Funaro**, B. Griselli, A. Bernardi, R. Polloni, A.P.M. Cappa. Distribution of T-lymphocyte subpopulations in the intestinal mucosa of patients with ulcerative colitis and colorectal carcinoma.

Colo-proctology VI 4: 206, 1984

3) F. Malavasi, G. Bellone, L. Matera, E. Ferrero, **A. Funaro**, S. DeMaria, F. Caligaris-Cappio, G. Camussi, P. Dellabona. Murine monoclonal antibodies as probes for the phenotypical, functional and molecular analysis of a discrete peripheral blood lymphocyte population exerting natural killer activity in vitro.

Human Immunology 2: 87-102, 1985

I.F.

2.311

4) F. Malavasi, **A. Funaro**, G. Bellone, F. Caligaris-Cappio, E. Berti, C. Tetta, P. Dellabona, S. DeMaria, M. Campogrande, and A.P.M. Cappa. Functional and molecular characterization by the CB04 MoAb of a cell surface structure exerting C3-complement receptor activity.

Journal of Clinical Immunology 6: 1-11, 1985

I.F. 3.253

5) F. Malavasi, **A. Funaro**, G. Bellone, F. Caligaris-Cappio, G. Semenzato, A.P.M. Cappa, E. Ferrero, F. Novelli, and P. Dellabona. Definition by CB12 monoclonal antibody of a differentiation marker specific for human monocytes and their bone marrow precursors.

Cellular Immunology 97: 276-285, 1986

I.F. 3.172

6) **A. Funaro**, E. Ferrero, M. Alessio, S. DeMaria, F. Genzano, A. Colli Franzone, P. Dellabona and F. Malavasi. Phenotypic, functional and molecular characterization of human cell surface structures by murine monoclonal antibodies.

Chimica Oggi 5: 19-23, 1986

7) F. Malavasi, C. Tetta, **A. Funaro**, G. Bellone, E. Ferrero, A. Colli Franzone,, P. Dellabona, R. Rusci, G. Camussi and F. Caligaris-Cappio. Fc receptor activation induces expression of surface activation antigens and release of platelet-activating factor in large granular lymphocytes.

Proceedings of the National Academy of the Sciences U.S.A. 83: 2443-2447, 1986

I.F.9.661

8) D. Roccatello, R. Coppo, G. Martina, F. Malavasi, **A. Funaro**, C. Rollino, A. Amore, and G. Piccoli. Quantitative and functional analysis of IgG Fc receptor molecules in polymorphonuclear leukocytes and monocyte / macrophages in patients with essential mixed cryoglobulinemia.

Nephron 45: 186-191, 1987

I.F. 1.939

9) F. Genzano, **A. Funaro**, M. Alessio, L. DeMonte, G. Bellone, L. Peruzzi, M. Zaccolo, F. Caligaris-Cappio and F. Malavasi. Generation and characterization of a murine monoclonal antibody specific for the human T1-CD5 molecule.

International Journal of Biological Markers 2: 143-150, 1987

10) F. Caligaris-Cappio, M. Schena, L. Bergui, L. Tesio, M. Riva, G. Rege-Cambrin, **A. Funaro** and F. Malavasi. C3b receptors mediate the growth factor-induced proliferation of malignant B-chronic lymphocytic leukemia lymphocytes.

Leukemia 11: 746-752, 1987

I.F. 11.702

11) T. Crepaldi, D. Peruccio, M. Lecchi, L. Resegotti, M.G. Guerra, **A. Funaro** and P. Richiardi. New HLA-Class I-like alloantigens expressed on blast cells.

Journal of Immunogenetics 14: 219-229, 1987

IF. 1.093

12) L. Matera, R. Foà, F. Malavasi, G. Bellone, **A. Funaro**, F. Veglia, and D. Santoli. Generation of non-MHC restricted killing in cultures stimulated with B cells from chronic lymphocytic leukemia patients: phenotypic characterization of the precursor and effector cells.

Clinical and Experimental Immunology 72: 303-308, 1988

I.F. 3.41

13) **A. Funaro**, G. Bellone, M. Alessio, L. DeMonte, G. Palestro, L. Matera, F. Caligaris-Cappio and F. Malavasi. Recognition by monoclonal antibody CB02 of a surface molecule shared by lymphocytes and a discrete LGL subset with cytotoxic activity.

Natural Immunity and Cell Growth Regulation 7: 106-115, 1988

14) **A. Funaro**, G. Bellone, L. DeMonte, M. Alessio, S. Roggero, L. Peruzzi, A.P.M. Cappa and F. Malavasi. Generation and selection of monoclonal antibodies identifying surface molecules discriminating between fetal and adult fibroblasts.

Journal of Clinical Laboratory Medicine 3: 50-55, 1989

I.F. 1.384

15) C. Eva, P. Ferrero, P. Rocca, **A. Funaro**, B. Bergamasco, M. Ravizza and E. Gennazzani. 3H-n-methylscopolamine binding to muscarinic receptors in human peripheral blood lymphocytes: characterization, localization lymphocyte subsets and age-dependent changes.

Neuropharmacology 28: 719-726, 1989

I.F. 5.012

16) M. Schena, L. Bergui, G.L. Gaidano, M. Riva, L. Tesio, **A. Funaro**, F. Malavasi, and F. Caligaris-Cappio. Cell surface molecules and growth factors controlling the proliferation of B-chronic lymphocytic leukemia cells.

Journal of Immunological Research 1: 33-39, 1989

17) D. Roccatello, R. Coppo, G. Piccoli, G. Cavalli, M.G. Guerra, **A. Funaro**, A. Amore, S. Roggero, R. Borgialli, M.C. Amprimo, B. Scalzo, M. Alessio, G. Quattrocchio and L.M. Sena. Phenotypic and functional analysis of circulating phagocytic cells in IgA nephropathy patients.

Nephrology Dialysis Transplantation 4: 618-624, 1989.

I.F. 4.47

18) L. Peruzzi, G. Melioli, L.B. DeMonte, M. Alessio, M. Zaccolo, S. Roggero, G. Bellone, **A. Funaro** and F. Malavasi. Microplate selection technique (MPST). A new method for selecting mouse transfectants expressing human gene products.

Journal of Immunological Methods 123: 113-121, 1989

I.F.2.1

19) M. Alessio, G. Bellone, **A. Funaro**, L.B. De Monte, S. Roggero, L. Peruzzi, M. Zaccolo, M. Momo, A.P.M. Cappa and F. Malavasi. Characterization by monoclonal antibody of a highly conserved antigenic determinant expressed on human platelet membranes and intermediate filament type III.

Scandinavian Journal of Immunology 31: 609-617, 1990

I.F. 2.256

20) **A. Funaro**, F. Bussolino, M. Alessio, S. Roggero, M. Zaccolo, F. Diella, E. Bocchietto, P. Squillario, A. Bosia and F. Malavasi. Stimulation of CD5 enhances cell activation and cytoplasmic alkalinization in human T lymphocytes and T cell lines.

Journal of Immunological Research 4: 172-177, 1990

21) M. Alessio, S. Roggero, **A. Funaro**, L.B. DeMonte, L. Peruzzi, M. Geuna and F. Malavasi. CD38 molecule: structural and biochemical analysis on human T lymphocytes, thymocytes and plasma cells.

Journal of Immunology 145: 878-884, 1990

I.F. 4.856

22) **A. Funaro**, G.C. Spagnoli, C.M. Ausiello, M. Alessio, S. Roggero, D. Delia, M. Zaccolo and F. Malavasi. Involvement of the multilineage CD38 molecule in a unique pathway of cell activation and proliferation.

Journal of Immunology 143: 2390-2396, 1990

I.F. 4.856

23) L.B. DeMonte, M. Momo, **A. Funaro**, P. Nisticò, A. Anichini, E. Bombardieri, F. Cavallo, E. Seccamani, L. Tarditi, M. Mariani, P.G. Natali, and F. Malavasi. In vitro production of a new generation of immunopharmaceuticals for human therapy.

Journal of Chemotherapy 3: 315-318, 1991

I.F. 1.577

24) M. Zaccolo e **A. Funaro**. Generazione di ibridi somatici in campo elettrico.

Biotec 6: 25-28, 1991.

25) F. Malavasi, **A. Funaro**, M. Alessio, L.B. De Monte, C. Ausiello, U. Dianzani, F. Lanza, E. Magrini, M. Momo and S. Roggero. CD38: a multi-lineage cell activation molecule with a split personality.

International Journal of Clinical and Laboratory Research. 22: 73-80, 1992.

26) **A. Funaro**, U. Dianzani, M. Alessio and F. Malavasi. Analysis of the physical association between CD38 and functional molecules expressed by human lymphocytes.

Pharmacological Research 26 (2): 134-35, 1992.

I.F. 4.480

27) **A. Funaro**, L.B. De Monte, U. Dianzani, M. Forni and F. Malavasi. Human CD38 is associated to distinct molecules which mediate transmembrane signalling in different lineages.

European Journal of Immunology 23: 2407-2411, 1993.

I.F. 4.227

28) F. Malavasi, **A. Funaro**, S. Roggero, A. Horenstein, L. Calosso, and K. Mehta. Human CD38 molecule: a glycoprotein with multicatalytic properties.

Immunology Today 15: 95-97, 1994.

I.F.13.287

29) U. Dianzani, **A. Funaro**, D. Di Franco, G. Garbarino, M. Bragardo, V. Redoglia, D. Bonfiglio, L.B. De Monte, A. Pileri and F. Malavasi. Interaction between endothelium and CD4⁺CD45⁺ lymphocytes: role of the human CD38 molecule.

Journal of Immunology 154: 952-959, 1994.

I.F.

4.856

30) **A. Funaro**, G.C. Spagnoli, M. Momo, W. Knapp and F. Malavasi. Stimulation of T cells via CD44 requires LFA-1 interactions and IL-2 production.

Human Immunology 40: 267-278, 1994.

I.F. 2.311

31) C.M. Ausiello, F. Urbani, A. La Sala, **A. Funaro** and F. Malavasi. CD38 ligation induces discrete cytokine mRNA expression in human cultured lymphocytes.

European Journal of Immunology 25: 1477-1480, 1995.

I.F. 4.227

32) U. Dianzani, M. Bragardo, D. Buonfiglio, V. Redoglia, **A. Funaro**, J. Rojo, F. Malavasi and A. Pileri. Modulation of CD4 lateral interaction with lymphocyte surface molecules induced by HIV-1 Gp120.

European Journal of Immunology. 25: 1306-1311, 1995

I.F. 4.227

33) **A. Funaro**, A.L. Horenstein and F. Malavasi. Human CD38: a versatile leukocyte molecule with emerging clinical prospectives.

Fundamental and Clinical Immunology 3: 101-113, 1995

34) **A. Funaro**, A.H. Horenstein, E. Ferrero, S. Deaglio, R. Mallone, E. Tibaldi, L. Calosso, M. Morra, G. Zini, G. DiRosa, U. Dianzani, and F. Malavasi. Bispecific antibodies as immunodrugs in tumoral therapy.

Carcinogenesis as a process 5: 94-96, 1995

35) S. Deaglio, U. Dianzani, A.L. Horenstein, J. Fernandez, C. van Kooten, M. Bragardo, G. Garbarino, **A. Funaro**, F. Divirgilio, J. Banchereau and F. Malavasi. Human CD38 ligand. A120kDa protein predominantly expressed on endotelial cells.

Journal of Immunology 156: 727-734, 1996

I.F. 4.856

36) **A. Funaro** and M.E. Cosulich. Murine monoclonal antibodies.

Minerva Biotechnologica 8: 58-63, 1996

I.F. 0.379

37) C. Bruno, L. Scapol, C. Amenta, F. Malavasi, **A. Funaro**, S. Sgobbi, GC. Viscomi
Synthetic peptides for the characterization of the antigenic profile of interferon alpha

Minerva Biotechnologica 8: 3, 155-159, 1996

I.F. 0.25

38) **A. Funaro**, A.L. Horenstein, L. Calosso, M. Morra, R. Tarocco, L. Franco, A. De Flora and F. Malavasi. Identification and characterization of an active soluble form of human CD38 in normal and pathological fluids.

International Immunology 8: 1643-1650, 1996

I.F. 3.748

39) C.M. Ausiello, A. La Sala, C. Ramoni, F. Urbani, **A. Funaro**, and F. Malavasi. Secretion of IFN-g, IL-6, granulocyte-macrophage colony stimulating factor and IL-10 cytokines after activation of human purified T lymphocytes upon CD38 ligation.

Cellular Immunology 173: 192-197, 1996

I.F. 3.172

40) **A. Funaro**, M. Morra, L. Calosso, M.G. Zini, C.M. Ausiello and F. Malavasi. Role of human CD38 molecule in B cell activation and proliferation.

Tissue Antigens 49: 7-15, 1997.

I.F. 2.137

41) **A. Funaro**, A.L. Horenstein and F. Malavasi. Monoclonal antibodies in clinical applications.

Journal of Biological Regulators and Homeostatic Agents. 10: 72-82, 1997.

I.F. 1.469

42) **A. Funaro**, M. Reinis, O. Trubiani, S. Santi, R. Di Primio and F. Malavasi. CD38 functions are regulated through an internalization step

The Journal of Immunology 160: 2238-2247, 1998

I.F. 4.856

43) M. Reinis, M. Morra, **A. Funaro**, R. Di Primio, and F. Malavasi. Functional association of CD38 with CD3 on the T-cell membrane.

Journal of Biological Regulators and Homeostatic Agents 11: 137-142, 1998 I.F. 1.469

44) **A. Funaro**, A. L. Horenstein and F. Malavasi. Monoclonal antibodies for therapy: current status and future perspectives.

Minerva Biotechnologica 10: 131-137, 1998.

I.F. 0.379

45) **A. Funaro**, A.L. Horenstein, G. Ghisolfi, B. Bussolati, A. Bartorelli and G. Bussolati. Identification of a 220 kDa tumor-associated antigen by human anti-UK114 monoclonal antibodies selected from the immunoglobulin repertoire of a cancer patient.

Experimental Cell Research 247: 441-450, 1999.

I.F.3.546

46) **A. Funaro** and F. Malavasi. Human CD38 , a surface receptor, an enzyme, an adhesion molecule and not a simple marker.

Journal Biological Regulator and Homeostatic Agents 13: 53-60, 1999.

I.F. 1.469

47) G. C. Viscomi, G. Antonelli, C. Bruno, L. Scapol, F. Malavasi, **A. Funaro**, E. Simeoni, S. Pestka, F. De Pisa and F. Dianzani. Antigenic characterization of recombinant, lymphoblastoid, and leukocyte IFN-gamma by monoclonal antibodies.

Journal of Interferon Cytokine Research 19: 319-326, 1999.

I.F. 2.377

48) S. Deaglio, R. Mallone, G. Baj, A. Arnulfo, E. Ortolan, L. Calosso, C. Ausiello, F. Saccucci, A. Gregorini, C. Cinti, A. Horenstein, M. Zubiaur, J. Sancho, U. Dianzani, E. Ferrero, **A. Funaro**, T. Katada, K. Mehta and F. Malavasi. Signaling and activation, calcium and cytokine release, receptorial activities of the human CD38 family of NAD⁺-converting ectoenzymes.

Current Trends in Immunology 2:19-35, 1999.

49) **A. Funaro**, E. Ferrero, K. Metha and F. Malavasi. Schematic portrait of human CD38 and related molecules.

Chemical Immunology 75: 256-273, 2000. I.F. 0.27

50) M. Papotti, L. Macrì, S. Croce, **A. Funaro**, C. Pecchioni, M. Schindler and G. Bussolati.
Somatostatin receptor type 2 in neuroendocrine tumors of the lung.

Diagnostic Molecular Pathology 9: 47-57, 2000 I.F. 1.861

51) R.P. Revoltella, S. Moscato, L. Laricchia Robbio, G. Reato, R. Foà, **A. Funaro**, F. Vinante and G. Pizzolo. Antibodies reacting with granulocyte-Macrophage colony stimulating factor produced by Epstein-Barr virus-immortalized B-clones from human cord blood.

Cellular Immunology 204: 114-127, 2000 I.F. 3.172

52) **A. Funaro**, A.L. Horenstein, P. Santoro, C. Cinti, A. Gregorini and F. Malavasi.
Monoclonal antibodies and therapy of human cancer.

Biotechnology Advances 18: 385-401, 2000 I.F.
10.597

53) C.M. Ausiello, F. Urbani, R. Lande, A. la Sala, B. Di Carlo, G. Baj, N. Surico, J. Hilger, S. Deaglio, **A. Funaro** and F. Malavasi. Functional topography of discrete domains of human CD38.

Tissue Antigens 56: 539-547, 2000. I.F.
2.137

54) R. Mallone, **A. Funaro**, M. Zubiaur, G. Baj, C.M. Ausiello C. Tacchetti, J. Sancho, C. Grossi and F. Malavasi. Signaling through CD38 induces natural killer (NK) cell activation.

International Immunology 13: 397-409, 2001. I.F. 3.748

55) R. Mallone, E. Ortolan, G. Baj, **A. Funaro**, S. Giunti, E. Lillaz, F. Saccucci, M. Cassander, P. Cavallo-Perin and F. Malavasi.

Autoantibody response to CD38 in caucasian patients with type 1 and type 2 diabetes mellitus: immunological and genetic characterization.

Diabetes 50: 752-762, 2001 I.F. 8.684

56) S. Saviozzi, A. Saluto, A.M.R. Taylor, J.I L. Last, F. Trebini, M.C. Paradiso, E. Grosso; **A. Funaro**, G. Ponzio, N. Migone and A. Brusco. A late onset variant of ataxia-telangectasia with a compound heterozygous genotype, A8030G/7481insA.

Journal of Medical Genetics. 39: 57-61, 2002.

I.F. 5.451

57) M. Volante, E. Allia, P. Gugliotta, **A. Funaro**, F. Broglio, R. Degheni, G. Muccioli, E. Ghigo and M. Papotti. Expression of Ghrelin and of GH secretagogue receptor by pancreatic islet cells and related endocrine tumors.

Journal of Clinical Endocrinology & Metabolism. 87: 1300-1308, 2002.

I.F. 5.455

58) A.L. Horenstein, E. Ferrero, **A. Funaro**, F. Crivellin and M. Said. Cesar Milstein, scientist (1927-2002)

Journal Biological Regulators and Homeostatic Agents 16: 91-92, 2002.

I.F. 1.469

59) R. Lande, F. Urbani, B. DiCarlo, G. Sconocchia, S. Deaglio, **A. Funaro**, F. Malavasi, and C.M. Ausiello. CD38 ligation plays a direct role in the induction of IL-1 β , IL-6 and IL-10 secretion in resting human monocytes.

Cellular Immunology 220: 30-38, 2002

I.F. 3.172

60) C. Menzaghi, R. Di Paola, G. Baj, **A. Funaro**, A. Arnulfo, T. Ercolino, N. Surico, F. Malavasi and V. Trischitta. Insulin modulates PC-1 processing and recruitment in cultured human cells.

American Journal of Physiology 284: 514-520, 2003.

I.F. 3.6

61) A.L. Horenstein, F. Crivellin, **A. Funaro**, M. Said and F. Malavasi. Design and scale-up of downstream processing of monoclonal antibodies for cancer therapy: from research to clinical proof of principle.

Journal of Immunological Methods. 275: 99-112, 2003.

I.F. 2.1

62) **A. Funaro**, A. Sapino, B. Ferranti, A.L. Horenstein, I. Castellano, B. Bagni, G. Garotta and F. Malavasi. Functional, structural and distribution analysis of the chorionic gonadotropin receptor using murine monoclonal antibodies.

The Journal of Clinical Endocrinology & Metabolism. 88: 5537-5546, 2003.

I.F. 5.455

63) **A. Funaro**, E. Ortolan, B. Ferranti, L. Gargiulo, R. Notaro, L. Luzzatto and F. Malavasi.

CD157 is an important mediator of neutrophil adhesion and migration.

Blood 104: 4269-4278, 2004.

I.F. 13.164

64) I. Parusel, S. Kahl, F. Braasch, G. Glowacki, G. Halverson, M. E. Reid, A. Schawalder, E. Ortolan, **A. Funaro**, F. Malavasi, D. Hardie, S. Halder, C. D. Buckley, F. Haag, and F. Koch-Nolte. A panel of monoclonal antibodies recognizing GRI-anchored ADP-ribosyltransferase ART4, the carrier of the Dombrock Blood group antigens.

Cellular Immunology 236: 66-71, 2005.

I.F. 3.172

65) E. Koch-Nolte, G. Glowacki, P. Bannas, F. Braasch, G. Dubberke, E. Ortolan, **A. Funaro**, F. Malavasi and F. Haag.

Use of genetic immunization to raise antibodies recognizing toxin-related cell surface ADP-ribosyltransferase in native conformation.

Cellular Immunology 236: 59-65, 2005.

I.F. 3.172

66) S. Svegliati Baroni, M. Santillo, F. Bevilacqua, M. Lucchetti, T. Spadoni, M. Mancini, P. Fraticelli, P. Sambo, **A. Funaro**, A. Kazlauskas, E.V. Avvedimento and A. Gabrielli. Stimulatory autoantibodies to the PDGF receptor in systemic sclerosis (scleroderma).

New England Journal of Medicine, 354: 2667-2676, 2006.

I.F. 72.46

- 67) E. Ortolan, E. V. Tibaldi, B. Ferranti, L. Lavagno, G. Garbarino, R. Notaro, L. Luzzatto, F. Malavasi and **A. Funaro**. CD157 plays a pivotal role in neutrophil transendothelial migration. *Blood* 108: 4214-4222, 2006. I.F. 13.164
- 68) S. Cavalieri, **A. Funaro**, P. Porcedda, V. Turinetto, N. Migone, R. Gatti, A. Brusco Mutation analysis in the *atm* gene by haplotyping, dhplc and southern blot: characterization of novel genomic deletions and point mutations in italian a-t patients. *Human Mutation* 27 (10): 1061, 2006. I.F. 4.601
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