

## INFORMAZIONI PERSONALI

## Ferdinando Nicoletti

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ESPERIENZA  
PROFESSIONALE

2011–alla data attuale

## Professore Ordinario di Patologia Generale (MED/04)

Università degli Studi di Catania, Catania (Italia)

2014–2017

## Coordinatore del Dottorato di Ricerca Internazionale Basic and Applied Biomedical Sciences

Università degli Studi di Catania, Catania (Italia)

2011–2015

## Membro del comitato scientifico della Scuola Superiore di Catania

Università degli Studi di Catania, Catania (Italia)

2011-2014

## Presidente dello IACUC dell'Università degli Studi di Catania

Università degli Studi di Catania, Catania (Italia)

2007–2011

## Professore Ordinario di Scienze Tecniche di Medicina di Laboratorio (MED/46)

Università degli Studi di Catania, Catania (Italia)

2001-2010

## External Consultant

Institute for Inflammation Research diretto dal Prof Klaus Bendtzen, Rikshospitalet, Copenhagen (Denmark)

2009

## Vice-presidente del comitato etico dell'Ospedale Cannizzaro di Catania

Ospedale Cannizzaro, Catania (Italia)

2001–2006

## Professore Associato di Patologia Generale

Università degli Studi di Catania, Catania (Italia)

02/2004

## Visiting Professor

School of Medicine, University of Belgrade, Belgrade (Serbia)

1991–2001

## Ricercatore

Facoltà Di Medicina e Chirurgia, Università degli Studi di Milano, Milano (Italia)

## ISTRUZIONE E FORMAZIONE

1986–1990

## Specializzazione in Allergologia e Immunologia Clinica

Istituto di Medicina Interna, Malattie Infettive e Immunopatologia dell' Università di Milano, Milano (Italia)

1981–1987 **Laurea in Medicina e Chirurgia**

Voto conseguito:  
110/110 e lode

Università degli Studi di Catania, Catania (Italia)

## COMPETENZE PERSONALI

Lingua madre italiano

Lingue straniere

	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
inglese	C2	C2	C2	C2	C2
spagnolo	C1	C1	C1	C1	C1

Livelli: A1 e A2: Utente base - B1 e B2: Utente autonomo - C1 e C2: Utente avanzato  
Quadro Comune Europeo di Riferimento delle Lingue

Competenze organizzative e gestionali

È cofondatore di GaNiAI Immunotherapeutics (Delaware), CSO e fondatore di OncoNOx aps (Copenhagen, Danimarca, [www.onconox.com](http://www.onconox.com)) e cofondatore di Aura Biopharm (Oslo, Norway, [www.aurabiopharm.com](http://www.aurabiopharm.com)).

Competenze professionali

Il Prof. Nicoletti lavora nel campo dell'immunologia cellulare e molecolare, dell'immunofarmacologia, della tossicologia e dell'oncologia sperimentale.

E' autore di più di 260 lavori pubblicati su riviste "peer-reviewed" e presenta oggi un H-Index pari a 58, rientrando tra i Top Italian Scientists

([http://www.topitalianscientists.org/Top\\_italian\\_scientists\\_VIA-Academy.aspx](http://www.topitalianscientists.org/Top_italian_scientists_VIA-Academy.aspx)).

Il Prof. Nicoletti è revisore per numerose riviste scientifiche, tra cui: Acta Paediatrica; Basic and Clinical Toxicology & Pharmacology; Cancer Letter; Cancer Research; Diabetologia; Diabetes; Endocrinology; European Journal of Pharmacology; Exp. Biol. Med; International Journal of Immunopharmacology; Journal of Chemotherapy; Journal of Immunological Methods; Journal of Molecular Medicine; Journal Pharmacology and Experimental Therapeutic; PLOS One; PNAS.

Fa parte dell'Editorial Board delle seguenti riviste scientifiche: Basic and Clinical Pharmacology and Toxicology; European Journal of Pharmacology; International Journal of Molecular Medicine; International Journal of Oncology; American Journal of Clinical and Experimental Immunology; Current Research in Biotechnology. E' inoltre Associate Editor di Molecules.

Il Prof. Nicoletti collabora alle attività di R&D in studi preclinici e clinici con diverse aziende farmaceutiche e di biotecnologie, come: Ablynx N.V. (Zwijnarde, Belgium); Alfama (Lisbon, Portugal); Amgen Inc., (Thousand Oaks, CA); Androclus Therapeutics (San Diego, CA); Cosmo Biotech, Lainate (MI) /San Diego (CA); Hoffman-La Roche, Basel Switzerland; Leo Pharmaceutical, Ballerup, Denmark; Merck Serono International SA (Geneva, Switzerland); Merck-Schering-Plough, New Jersey, USA; Novartis, Basel, Switzerland; Pfizer-Wyeth, NY, USA; Puleva Biotech, Granada, Spain; Sanofi-Aventis, Labège, France.

Competenze digitali

AUTOVALUTAZIONE				
Elaborazione delle informazioni	Comunicazione	Creazione di Contenuti	Sicurezza	Risoluzione di problemi
Utente avanzato	Utente avanzato	Utente avanzato	Utente avanzato	Utente avanzato

Competenze digitali - Scheda per l'autovalutazione

Patente di guida B

## ULTERIORI INFORMAZIONI

- Pubblicazioni**
- 1) Nicoletti F, Speciale C, Sortino MA, Panetta MS, Di Giorgio RM, Canonico PL.: Estrogen effects on nigral glutamic acid decarboxylase activity: a possible role for catecholesterogen. *Eur J Pharmacol.* 1985 Sep 24;115(2-3):297-300
  - 2) Nicoletti G, Olivieri S., Cammarata E., Nicoletti F., Tempera G.: Le infezioni microbiche nel tossicodipendente. *Giornale di Batteriologia, Virologia ed Immunologia*, 1986, LXXIX, 124-143
  - 3) Nicoletti F., Di Mauro M., Stracuzzi S., Pane F., Steinsvag P.L.: Pevalenza di ICA e CF-ICA in familiari di diabetici di tipo 1. *Rassegna di Medicina Interna*, 1988, IX, 3-7
  - 4) Lunetta M., Di Mauro M., La Bella G., Buttiglieri R., Nicoletti F.: The quick-acting effect of regular insulin is preserved in premixed protamine and soluble human insulin preparations. *Med. Sci. Res.* 17, 897-898, 1989.
  - 5) Nicoletti F. Barcellini W., Di Mauro M., Steinsvag P.O., Lunetta M., Scalia G., Condorelli F., Stivala A.: Correlazione tra anticorpi anti betacellula pancreatica e anti cytomegalovirus in collaterali sani di diabetici di tipo 1. *G. Ital. Diabetol.*, 1989, 9, 165-166.
  - 6) Nicoletti F., Meroni P.L., Barcellini W., Steinsvag P.O., Di Mauro M., Lunetta M., Pagano M., Consoli U., Zanussi C.: Enhanced percentage of CD5+ B lymphocytes in newly diagnosed IDDM patients. *Immunology Letters* 23, 211-216, 1989/90.
  - 7) Nicoletti F., Caruso M., Di Mauro M., Stracuzzi S., Mancuso M., Scuderi G., Leonardi C., Pagano M., Lunetta M.: CD3+CD25+ cells, CD3+CD4+/CD3+CD8+ ratio, HLA alloantigen association and ICA in type 1 (insulin-dependent) diabetes. *Med. Sci. Res.* 18, 679-681, 1990.
  - 8) Nicoletti F., Scalia G., Lunetta M., Condorelli F., Di Mauro M., Barcellini W., Stracuzzi S., Pagano M., Meroni P.L.: Correlation between islet cell antibodies and anti cytomegalovirus IgM and IgG antibodies in healthy first-degree relatives of type 1 (insulin-dependent) diabetic patients. *Clin. Immunol. Immunopathol.*, 55, 139-147, 1990.
  - 9) Nicoletti F., Meroni P.L., Landolfo S., Gariglio M., Guzzardi S., Barcellini W., Lunetta M., Mughini L., Zanussi C.: Prevention of diabetes in BB/Wor rats treated with monoclonal antibodies to interferon-gamma. *Lancet* 336, 319, 1990.
  - 10) Barcellini W., Borghi M.O., Nicoletti F., Bonara P., Fain C., Meroni P.L. Combination of mutant EL-4 thymoma cells and EBV-infection in B lymphocyte activation a) EBV-infection of EL-4-activated lymphocytes. b) Use of EL-4 cells as feeders for lymphoblastoid cell lines. *J. Clin. Lab. Immunol.*, 33, 21-28, 1990.
  - 11) Nicoletti F., Scalia G., Condorelli F., Stivala A., Leonardi C., Mattina A., Steinsvag P.O., La Rosa L., Lunetta M.: Anti-cytomegalovirus IgM and IgG antibodies, islet cell antibodies and gamma interferon serum levels in newly diagnosed IDDM patients. *Int. J. Immunopathol. Pharmacol.*, 4, 99-106, 1991.
  - 12) Nicoletti F., Consoli U., Calogero D., Speciale A.M., Di Marco R., Leonardi C., La Rosa L., Lunetta M., Di Cataldo A., Meroni P.L.: Enhanced percentage of Leu M3+DR+ and Leu M3+CD25+ cells in newly diagnosed IDDM patients. *Autoimmunity*, 9, 255-259, 1991.
  - 13) Nicoletti F., Meroni P.L., Barcellini W., Grasso S., Borghi M.O., Lunetta M., Di Marco R., Stefani S., Mughini L.: FK-506 prevents diabetes in diabetes-prone BB/Wor rats. *Int. J. Immunopharmacol.* 13, 1027-1030, 1991.
  - 14) Nicoletti F., Meroni P.L., Lunetta M., Vigo R., Palermo T., Papalia D., Barcellini W., Di Mauro M., Caruso-Nicoletti M., Mughini L., Zanussi C.: Sodium fusidate and increased remission rate of insulin-dependent diabetes mellitus. *Lancet* 337, 1292, 1991.
  - 15) Lunetta M., Di Mauro M., Nicoletti F., Mughini L.: Diabetogenic effect of naloxone in subjects with impaired glucose tolerance. *Med. Sci. Res.* 19, 737-738, 1991.
  - 16) Barcellini W., Borghi M.O., Fain C., Del Papa N., Nicoletti F., Meroni P.L. Enrichment of IgG anti-DNA-producing lymphoblastoid cell lines by antigen-coated immunomagnetic beads. *Clin Immunol. Immunopathol.*, 65, 39-44, 1992.
  - 17) Nicoletti F. Meroni P.L., Di Marco R., Grasso S., Barcellini W., Borghi M.O., Lunetta M., Mughini L., Menta R., Schorlemmer H.U., Zanussi C. The effects of deoxyspergualin on the development of diabetes in diabetes-prone BB rats. *Scand. J. Immunol.*, 36, 415-420, 1992
  - 18) Nicoletti F., Meroni P.L., Di Marco R., Barcellini W., Borghi M.O., Gariglio G., Mattina A., Grasso

- S., Landolfo S. In vivo treatment with monoclonal antibody to interferon-gamma neither affects the survival nor the rate and onset of lupus nephritis in the MRL/lpr-lpr mouse. *Immunopharmacology*, 24, 11-16, 1992.
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- 20) Borghi M.O., Barcellini W., Fain C., Nicoletti F., Del Papa N., Licciardello L., Meroni P.L.: In vitro effect of MSD53 and its fractions on human mononuclear cells. *Int. J. Immunother.*, 8, 77-84, 1992.
- 21) Di Marco R., Condorelli F., Girardello R., Uslenghi C., Chisari G., Di Mauro M., Speciale A.M., Meroni P.L., Nicoletti F. Increased rate of survival in *Streptococcus pneumoniae*-infected rats treated with the new immunomodulator Pidotimod. *Scand. J. Infect. Dis.* 24, 821-823, 1992
- 22) Lunetta M., Di Mauro M., Nicoletti F., Mughini L.: Effects of naloxone on immunoreactive insulin and C-peptide response to intravenous glucagon in obese women. *Med. Sci. Res.* 21, 211-212, 1993.
- 23) Grasso AA, Reggio A, Marano P, Florio S, Scordino N, Cappello S, Nicoletti F.: Epidemiological survey of multiple sclerosis in Catania city. *Ital J Neurol Sci.* 1992 May;13(4):301-9.
- 24) Barcellini W., Borghi M.O., Fain C., Nicoletti F., Menta R., Meroni P.L., Schorlemmer H.U., In vitro effects of deoxyspergualin (DSO) on human peripheral blood mononuclear cells. *EOS*, 13, 14-15, 1993.
- 25) Di Marco R., Carrabba I., Cavallaro V., Zaccone P., Stazzone C., Franco S., Cocuzza C., Nicoletti G., Nicoletti F.: The effect of cefepime on some immune parameters in vitro: lack of interference with mitogen-induced lymphoproliferation, immunoglobulin synthesis, IFN-gamma and IL-2 secretion and IL-2 receptor expression. *J.Chemother.* 5, 297-301, 1993.
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- 31) Borghi M.O., Fain C., Barcellini W., Del Papa N., La Rosa L., Nicoletti F., Uslenghi C., Meroni P.L. Ex vivo effects of pidotimod on peripheral blood mononuclear cell immune functions: study of an elderly population. *Int.J. Immunother.*, X, 35-39, 1994
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- 34) Biondi, R., Reggio, A., Sofia, V., Patti, F., Nibali, G., De Pascalis, D., Nicoletti, F. Epilepsy and multiple sclerosis [EPILESSIA E SCLEROSI MULTIPLA]. *Bollettino - Lega Italiana contro l'Epilessia Issue 86-87, 1994, Pages 205-206*
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- 37) Nicoletti F., Zaccone P., Di Marco R., Magro G., Grasso S., Morrone S., Santoni A., Tempera G., Meroni P.L., Bendtzen K.: Effects of sodium fusidate in animal models of insulin-dependent diabetes mellitus and septic shock. *Immunology*, 85, 645-650, 1995
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- 39) Barcellini W., Rizzardi G.P., Borghi M.O., Nicoletti F., Fain C., Del Papa N., Meroni P.L.: In vitro type-1 and type-2 cytokine production in systemic lupus erythematosus: lack of relationship with clinical disease activity. *Lupus*, 5, 139-145, 1996
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- 46) Nicoletti F., Meroni P.L. Bendtzen K. Fucidic acid and insulin-dependent diabetes mellitus. *Autoimmunity*, 24, 187-197, 1996
- 47) Nicoletti F., Zaccone P., Di Marco R., et al. The effects of a nonimmunogenic form of murine soluble interferon-gamma receptor on the development of autoimmune diabetes in the NOD mouse. *Endocrinology*, 137: 5567-5575, 1996
- 48) Nicoletti F., Zaccone P., Di Marco R., Lunetta M., Magro G., Grasso S., Meroni PL. and Garotta G. Prevention of spontaneous autoimmune diabetes in diabetes-prone BB rats by prophylactic treatment with antirat interferon-gamma antibody. *Endocrinology*, 138: 281-288, 1997
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- 51) Nicoletti F., Beltrami B., Raschi E., Di Marco R., Magro G., Grasso S., Bendtzen K., Fiorelli G., Meroni PL. Protection from concanavalin A (ConA)-induced T cell-dependent hepatic lesions and modulation of cytokine release in mice by sodium fusidate. *Clin. Exp. Immunol.*, 110: 479-484, 1997
- 52) Lunetta M., Di Mauro M., Le Moli R. and Nicoletti F. Effects of octreotide on glycaemic control, glucose disposal, hepatic glucose production and counterregulatory hormones secretion in type 1 and type 2 diabetic patients. *Diab. Res. Clin. Pract.*, 38: 81-89, 1997
- 53) Nicoletti F., Mancuso G., Anzani Ciliberti F., Beninati C., Carbone M., Franco S., and Cusumano V. Endotoxin-induced lethality in neonatal mice is counteracted by interleukin-10 (IL-10) and exacerbated by anti-IL-10. *Clin.Diagn.Lab. Immunol.*, 4: 607-610, 1997
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diabetes in NOD mice. *Diabetes*, 48: 2333-2339, 1999

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#### Brevetti

- 1) Compounds having immunomodulator activity (US8304442B2)
- 2) Antitumor properties of NO modified protease inhibitors (US8563578B2)
- 3) Transferrin for use in the treatment and/or prophylaxis of autoimmune diseases (US9138454B2)
- 4) Saquinavir-no for immunomodulation (EP2922545B1)
- 5) (S,r)-3-phenyl-4,5 dihydro-5- isoxazole acetic acid-nitric oxide and use thereof as anti-cancer and antiviral agent (US8207206B2)
- 6) Compounds for the treatment of autoimmune diseases (WO2018087082A1)

#### Rilevanti progetti scientifici finanziati

1. Development of carbon monoxide releasing molecules for the treatment of rheumatoid arthritis (EU Seventh Framework Programme)
2. Strategie di uso di batteri probiotici, prodotti batterici e parassitari per la terapia di malattie autoimmuni e allergiche. (Istituto superiore di sanità)
3. Hardis (VALUTAZIONE DELL'ATTIVITA' IMMUNOMODULANTE DELLA TRANSFERRINA UMANA E DEL SUO IMPIEGO NELLA TERAPIA DI PATOLOGIE AUTOIMMUNI E INFIAMMATORIE.) (FAR)
4. Bausch & Lomb (Evaluation of the effects of systemic administration of cloricromene in a model of streptozotocin-induced diabetes in rat) (FAR)
5. Cosmo (VALUTAZIONE DELLA POTENZIALE ATTIVITA' ANTIANDROGENA LOCALE E SISTEMICA DI NUOVI DERIVATI DEL CORTEXOLONE, E DELLA LORO POTENZIALE ATTIVITA' SUL SISTEMA IMMUNITARIO) (FAR)
6. Effetti del trattamento con G1TR:Fc nel modello di diabete di tipo 1 indotto in topi C57Bl6 da dosi multiple di streptozotocina (PRIN)

Il sottoscritto dichiara di essere informato, ai sensi del decreto legislativo 196/2003, che i dati sopra riportati verranno utilizzati nell'ambito del procedimento per il quale la presente dichiarazione viene resa.

Catania, 01/12/2022

Il dichiarante