

CURRICULUM VITAE BREVE EUGENIO BARALDI

Data di nascita: 1 Marzo 1957, Padova
Dipartimento Salute Donna e Bambino (SDB),
Università degli Studi - Azienda Ospedaliera, Padova
CF: BRLGNE57C01G224U

TITOLI DI STUDIO E CARRIERA

- Laurea in Medicina e Chirurgia (1982)
- Specializzazione in Pediatria (1986)
- Specializzazione in Allergologia e Immunologia (1990)
- Specializzazione in Medicina dello Sport (1997)
- Assistente Ospedaliero (1989), Aiuto Ospedaliero (1994), Dirigente Medico Azienda Ospedaliera di Padova, Dip. di Pediatria (1994-2005)
- Responsabile Unità "Broncopneumologia e Allergologia Pediatrica" (2006-2012) accreditato "Full Training Centre" della European Respiratory Society.
- Professore Associato MED 38 (2005)
- Professore Prima Fascia MED 38 (2011)
- Presidente Società Italiana Malattie Respiratori Infantili (SIMRI) (2011-2014)
- Responsabile SSD "Broncopneumologia e Allergologia Pediatrica" (2012-2014)
- Direttore Scuola di Specializzazione di Pediatria, Università di Padova (2012-2016)
- Direttore UOC di Terapia Intensiva Neonatale dell'Azienda Ospedaliera, Università di Padova (Ottobre 2014-)
- Direttore Master Universitario in "Medicina Perinatale e Cure Intensive Neonatali" (2015-)

SOGGIORNI DI STUDIO E AGGIORNAMENTO ALL'ESTERO

- Research Fellow: Harbor UCLA (USA), Dep. Pediatrics, Los Angeles (1990)
- "Visiting professor" Sophia Children Hospital, Rotterdam Novembre 1995 e Giugno 2006
- Fellowship (FCCP) American College Chest Physicians (2013)
- Visiting Professor" Pulmonary Division, Holtz Children Hospital, University of Miami, Florida. Novembre 2015.

BOARD EDITORIALI, RIVISTE SCIENTIFICHE E ATTIVITA' DI "REVIEWER"

- Direttore della rivista "Pneumologia Pediatrica", organo ufficiale della Società Italiana per le Malattie Respiratorie Infantili (2005-2010)
- Comitato editoriale delle riviste Pediatric Pulmonology e Thorax
- Referee delle seguenti riviste scientifiche: Lancet, J. Pediatrics, Pediatrics, Pediatric Research, AJRCCM, Thorax.
- Reviewer programmi di ricerca per: MIUR, CIVR, Ministero della Salute (Health Research Programs 2008), Netherland Asthma Foundation, Asthma Foundation of Western Australia, European Heads of Research Councils (EUROHORCSs), ANVUR-VQR

PRINCIPALI COMMISSIONI E COMITATI DI ESPERTI

- Coordinatore Task Force Internazionale pediatrica "Standardization of exhaled NO (asthma monitoring)" European Respiratory Society/American Thoracic Society) (2001-2005)
- Coordinatore "Respiratory Diseases Group" del network TEDDY 6° EU-Framework program (2005-2010)

- Chairman “Long Range Planning Committee” European Respiratory Society-Paediatric Assembly (2007-2010).
- Coordinatore Data Base nazionale “ASMA DIFFICILE ON-LINE” della SIMRI (Società Italiana Malattie Respiratorie Infantili) in collaborazione con Cineca
- Membro COST ACTION BM1201 “Developmental origins of chronic lung disease”
- Membro Council European Respiratory Society (ERS) (2014-)
- Membro EARIP WP5 DIAGNOSTIC TOOLS, Theme "Health", Call identifier: FP7-HEALTH-2013-INNOVATION-1, Proposal No: 602077-2.
- Membro fondatore RESVINET, International RSV network (<http://www.resvinet.org/>)
- Membro dell'European Asthma Research and Innovation Partnership (EARIP) Framework Programme 7-funded (2014-)
- Membro commissione scientifica di Area di Ateneo 2012-2016
- Membro consiglio scientifico dell'Istituto di Ricerca Pediatrico “Città della Speranza (2018-)

ATTIVITA' DIDATTICA

- Direttore Scuola di Specializzazione di Pediatria, Università di Padova (2012-2016)
- Direttore Master Universitario 2° livello in “Medicina perinatale e cure intensive neonatali”
- Vicedirettore della Scuola di Dottorato di “Medicina dello Sviluppo e Scienze della Programmazione” dell'Università di Padova.
- Corso di Laurea in Medicina e Chirurgia, insegnamento in Pediatria, Scuola di Specializzazione in Pediatria, Insegnamento Pediatria Generale e specialistica.
- Delegato per l'Italia Paediatric HERMES (Harmonised Education in Respiratory Medicine for European Specialists) (2007-2014).

LETTURE SU INVITO A CONGRESSI NAZIONALI E INTERNAZIONALI

Relatore invitato a più di 250 congressi nazionali e internazionali

ATTIVITA' DI RICERCA

Impact Factor totale = 1.105 H-index = 58 (GSC)

Incluso nella lista “Top Italian Scientists” www.topitalianscientists.org

Autore di 190 pubblicazioni “peer-reviewed” su riviste internazionali fra cui *New England Journal of Medicine*, *Lancet*, *JAMA*, *American Journal of Respiratory and Critical Care Medicine*.

Fellowship (FCCP) American College Chest Physicians.

Articoli piu' citati:

E Baraldi, M Filippone. Chronic lung disease after premature birth.

New England Journal of Medicine 2007; 357 (19), 1946-1955.

Citazioni: 791

P Brand, **E Baraldi**, H Bisgaard, AL Boner, JA Castro-Rodriguez.

Definition, assessment and treatment of wheezing disorders in preschool children: an evidence-based approach. *European Respiratory Journal* 2008;32 (4), 1096-1110

Citazioni: 811

E Baraldi, JC de Jongste, B Gaston, K Alving, PJ Barnes, H Bisgaard.

Measurement of exhaled nitric oxide in children, 2001. *European Respiratory Journal* 2002;20 (1), 223-237.

Citazioni: 370

PRINCIPALI SETTORI DI RICERCA:

- 1) **Meccanica respiratoria** nel neonato prematuro, BPD e nel lattante in ventilazione meccanica.
- 2) **Markers di infiammazione** nelle malattie respiratorie (ossido nitrico, condensato dell'aria espirata).
- 3) **Follow-up respiratorio della "coorte prematuri di Padova"** di bambini con displasia broncopolmonare iniziato nel 1990. Articoli pubblicati su *New England Journal of Medicine*, *Lancet* e *JAMA*.
- 4) Coordinatore **Progetto Metabolomica in Pediatria**.

PRINCIPAL INVESTIGATOR IN STUDI CLINICI INTERNAZIONALI 2016-2017

A phase 1 study to evaluate safety, reactogenicity and immunogenicity of GSK Biologicals' RSV investigational vaccine based on viral proteins encoded by chimpanzee-derived adenovecto (GSK3389245A) in RSV-seropositive infants.

A phase 1b, study to assess the pharmacokinetics, safety and tolerability of multiple doses of orally administered JNJ 53718678 in infants hospitalized with RSV infection". Janssen PI e national coordinator 2016.

A Phase 2b Study to Evaluate the Safety and Efficacy of MEDI8897, a Monoclonal Antibody With an Extended Half-life Against RSV, in Healthy Preterm Infants. MedImmune 2016. PI e national coordinator 2016.

A phase 2b study to compare the efficacy, safety and PK of an optimised dosing to a standard dosing regimen of vancomycin in neonates and infants aged d 90 days with late onset bacterial sepsis known or suspected to be caused by Gram-positive microorganisms. 2017

FONDI DI RICERCA

Ministero della Salute, Regione Veneto (1999-2000), European Respiratory Society- Task Force on NO (2000), National Institutes of Health (NIH) (2006), Università degli Studi di Padova, Assegni di ricerca (2006-2008, 2009-2011), Borsa di Dottorato (2011-2013), AIFA Project FARM9ZWSF2. (2011-2014), Progetti Ateneo Università di Padova anno (2011-2012), Istituto di Ricerca Città della Speranza, Fondazione CARIPARO (2012-2014), Rescue Project-Innovative Medicines Initiative (IMI) (2016).

PRINCIPALI LETTURE SU INVITO A CONGRESSI INTERNAZIONALI

- Harvard Medical School of Boston, Ottobre 1996, con la lettura: “Nitric oxide and airways”
- National Institute of Health (NIH), Bethesda (USA), RSV Workshop, June 24-25, 2002, con la relazione “Measurement of inflammatory mediators in pulmonary infections”
- European Respiratory Society “Live”. 30 Gennaio 2008 con la relazione “Chronic lung disease after premature birth”.
- International Conference on Clinical Neonatology. Torino 12-14 November 2009. Focus on bronchopulmonary dysplasia: Can we treat it, can we prevent it, how do we follow it up?
- Excellence in Paediatrics. 3-6 December 2009. Workshop- Long term management of children with chronic lung disease. Chronic lung disease of prematurity: long term respiratory outcome.
- European Respiratory Society- Annual Congress 2010. Symposium- Early origins of adult lung disease: Early origin of bronchopulmonary dysplasia. Barcelona - September 20, 2010
- 10th International Congress on Pediatric Pulmonology. Versailles June 25-27, 2011. Keynote Speaker: Bronchopulmonary dysplasia: the long term respiratory outcome.
- 4th International Conference on Clinical Neonatology. Torino. June 13-15, 2013. Bronchiolitis 2013 – Un Update.
- 29th International Workshop on Surfactant Replacement. Valencia May 30-31, 2014. Chronic lung disease of prematurity: long-term respiratory outcome.
- 2014 International Meeting on Asthma, COPD and Concomitant Disorders. Modena, 6-8 March 2014. Early life origin of chronic obstructive lung diseases.
- XXII World Congress of Asthma Mexico City 29 March-1 April 2014. “Early Risk factors for COPD” “Asthma Severity: the European perspective”.
- European Respiratory Society International Congress 2014. Munich 6-10 September. Metabolomic profiling of the amniotic fluid predicts the risk of preterm delivery and BPD development.
- 5th International Conference on Clinical Neonatology. Torino. September 11-13 2014. Late wheezing and RSV infection in late preterms.
- World Congresso of Perinatal Medicine (WCPM) Madrid, November 4, 2015. Bronchopulmonary Dysplasia and adult chronic lung disease: are they causally linked?
- XXIII World Congress of Asthma. Early origins of chronic obstructive pulmonary diseases. Madrid 13 March 2016
- 15th International Congress on Pediatric Pulmonology (CIPPXV). Napoli 25-26 June 2016. Early-life origins of chronic respiratory diseases.

- XXV European Congress of Perinatal Medicine. Maastricht June 15-18, 2016. Bronchopulmonary dysplasia and long-term lung function.
- 6th International Congress of Union of European Neonatal and Perinatal Societies (UENPS). Valencia 23-25 November 2016. Follow-up on long term control of chronic lung disease of prematurity.
- 1st World Congress on Maternal Fetal Neonatal Medicine. London 24-26 April 2017. Long-term respiratory outcomes of prematurity and BPD.
- European Respiratory Society (ERS) Congress. Milano 9 September 2017. Early origins of chronic respiratory diseases and transition into adult care.

PREMI

Past-President's Award- CIPP 2016: Presented to Professor Eugenio Baraldi. "For an outstanding long-term contribution to scientific progress in childhood asthma and excellent dedicated clinical service to children with respiratory diseases"

PUBBLICAZIONI SELEZIONATE

1. **Baraldi E**, Pettenazzo A, Filippone M, Magagnin G, Saia O, Zacchello F. Rapid improvement of static compliance after surfactant treatment in preterm infants with respiratory distress syndrome. *Pediatr Pulmonol* 15:157-162, 1993.
2. **Baraldi E**, Filippone M, Trevisanuto D, Zanardo V, Zacchello F. Pulmonary function until two years of life in infants with bronchopulmonary dysplasia. *Am J Respir Crit Care Med* 1997; 155: 149-155.
3. **Baraldi E**, Carra' S, Vencato F, Filippone M, Trevisanuto D, Milanese O, Pinello M, Zanardo V, Zacchello F. Home oxygen therapy in infants with bronchopulmonary dysplasia: a prospective study. *Eur J Pediatr* 1997; 156:878-882.
4. Filippone M, Narne S, Pettenazzo A, Zacchello F, **Baraldi E**. Functional approach to infants and young children with noisy breathing: validation of pneumotachometry by blinded comparison to bronchoscopy. *Am J Respir Crit Care Med* 2000; 162: 1795-1800.
5. **Baraldi E**, de Jongste JC, Gaston B, Alving K, Barnes PJ, Bisgaard H, Bush A, Gaultier C, Grasemann H, Hunt J, Kisoorn P, Piacentini G, Ratjen F, Sikoff P, Stick. European Respiratory Society/American Thoracic Society statement. Measurement of exhaled nitric oxide in Children-2001. *Eur Respir J* 2002; 20: 223-237.
6. Filippone M, Sartor M, Zacchello F, **Baraldi E**. Flow limitation in infants with bronchopulmonary dysplasia and respiratory function at school age. *Lancet* 2003; 361: 753-754.

7. **Baraldi E**, Bonetto G, Zacchello F, Filippone M. Low exhaled NO in school-age children with bronchopulmonary dysplasia and airflow limitation. *Am J Respir Crit Care Med* 2005; 171: 68-72.
8. **Baraldi E**, Filippone M. Chronic lung disease after premature birth. *N Engl J Med* 2007;357:1946-55.
9. Carraro S, Giordano G, Reniero F, Perilongo G, **Baraldi E**. Metabolomics- a new frontier for pediatric research. *J Pediatr* 2009;154: 638-644
10. Filippone M, Bonetto G, Cherubin E, Carraro S, **Baraldi E**. Childhood course of lung function in survivors of bronchopulmonary dysplasia. *JAMA* 2009, 302:1418-20.
11. **Baraldi E**, Carraro S, Filippone M. Bronchopulmonary dysplasia: Definitions and long-term respiratory outcome. *Early Hum Dev.* 2009 Oct;85(10 Suppl):S1-3
12. Carraro S, Piacentini G, Lusiani M, Uyan Z, Filippone M, Schiavon M, Boner A, **Baraldi E**. Exhaled air temperature in children with bronchopulmonary dysplasia. *Pediatr Pulmonol* 2010;45:1240-5.
13. **Baraldi E**, Rossi GA, Boner AL. Budesonide in preschool-age children with recurrent wheezing. *N Engl J Med.* 2012;366(6):570-1.
14. Filippone M, Bonetto G, Corradi M, Frigo AC, **Baraldi E**. Evidence of unexpected oxidative stress in airways of adolescents born very pre-term. *Eur Respir J.* 2012 40(5):1253-9.
15. Carraro S, Giordano G, Reniero F, Carpi D, Stocchero M, Sterk PJ, **Baraldi E**. Asthma severity in childhood and metabolomic profiling of breath condensate. *Allergy* 2013 Jan;68:110-7.
16. Carraro S, Filippone M, Da Dalt L, Ferraro V, Maretti M, Bressan S, ElMazloum D, **Baraldi E**. Bronchopulmonary dysplasia: the earliest and perhaps the longest lasting obstructive lung disease in humans. *Early Hum Dev* 2013;3:S3-5.
17. Carraro S, Giordano G, Piacentini G, Kantar A, Moser S, Cesca L, Berardi M, Di Gangi I.M., **Baraldi E**. Asymmetric dimethylarginine in exhaled breath condensate and serum of children with asthma (2013) *Chest*, 144 (2), pp. 405-410.
18. Carraro S, Giordano G, Reniero F, Carpi D, Stocchero M, Sterk P.J., **Baraldi E**. Asthma severity in childhood and metabolomic profiling of breath condensate (2013) *Allergy* 2013: 68 (1), pp. 110-117.
19. Carraro S, Giordano G, Pirillo P, Maretti M, Reniero F, Cogo P, Perilongo G, Stocchero M, **Baraldi E**. Airway Metabolic Anomalies in Adolescents with *Bronchopulmonary Dysplasia*: New Insights from the Metabolomic Approach. *J Pediatr.* 2014 Oct 4. pii: S0022-3476(14)00796-3.
20. Carraro S, Scheltema N, Bont L, **Baraldi E**. Early-life origins of chronic respiratory diseases: understanding and promoting healthy ageing. *Eur Respir J* 2014 Dec;44(6):1682-96
21. Mazur N, Martínón-Torres F, **Baraldi E**, Fauroux B, Greenough A, Heikkinen T, Manzoni P, Mejias A, Nair H, Papadopoulos N, Polack F, Ramilo O, Sharland M, Stein R, Madhi S, Bont

- L. Respiratory Syncytial Virus Lower Respiratory Tract Infection: Current Management Challenges and New Therapeutics. *Lancet Respiratory Medicine* 2015;3:888-900.
22. **Baraldi E**, Giordano G, Stocchero M, Moschino L, Zaramella P, Tran MR, Carraro S, Romero R, Gervasi MT. Untargeted Metabolomic Analysis of Amniotic Fluid in the Prediction of Preterm Delivery and Bronchopulmonary Dysplasia. *PLoS One*. 2016 Oct 18;11(10):e0164211.
 23. Galderisi A, Pirillo P, Moret V, Stocchero M, Gucciardi A, Perilongo G, Moretti C, Monciotti C, Giordano G, **Baraldi E**. Metabolomics reveals new metabolic perturbations in children with type 1 diabetes. *Pediatr Diabetes*. 2018 Feb;19(1):59-67. doi: 10.1111/pedi.12524. Epub 2017 Apr 12.
 24. **Baraldi E**, Galderisi A. Fish Oil in Pregnancy and Asthma in Offspring. *N Engl J Med*. 2017 Mar 23;376(12):1191.
 25. Bozzetto S, Pirillo P, Carraro S, Berardi M, Cesca L, Stocchero M, Giordano G, Zanconato S, **Baraldi E**. Metabolomic profile of children with recurrent respiratory infections. *Pharmacol Res*. 2017 Jan;115:162-167.
 26. Carraro S, **Baraldi E**, Giordano G, Pirillo P, Stocchero M, Houben M, Bont L. Metabolomic Profile of Amniotic Fluid and Wheezing in the First Year of Life-A Healthy Birth Cohort Study. *J Pediatr*. 2018 May;196:264-269.e4. doi: 10.1016/j.jpeds.2018.01.012. Epub 2018 Mar 13.
 27. Moschino L, Stocchero M, Filippone M, Carraro S, **Baraldi E**. Longitudinal Assessment of Lung Function in BPD Survivors from Birth to Adulthood: The Padova BPD Study. *Am J Respir Crit Care Med*. 2018 Feb 22. doi: 10.1164/rccm.201712-2599LE.
 28. Carraro S, Bozzetto S, Giordano G, El Mazloum D, Stocchero M, Pirillo P, Zanconato S, **Baraldi E**. Wheezing preschool children with early-onset asthma reveal a specific metabolomic profile. *Pediatr Allergy Immunol*. 2018 Jun;29(4):375-382. doi: 10.1111/pai.12879. Epub 2018 Apr 15.
 29. Mazur NI, Higgins D, Nunes MC, Melero JA, Langedijk AC, Horsley N, Buchholz UJ, Openshaw PJ, McLellan JS, Englund JA, Mejias A, Karron RA, Simões EA, Knezevic I, Ramilo O, Piedra PA, Chu HY, Falsey AR, Nair H, Kragten-Tabatabaie L, Greenough A, **Baraldi E**, Papadopoulos NG, Vekemans J, Polack FP, Powell M, Satav A, Walsh EE, Stein RT, Graham BS, Bont LJ; Respiratory Syncytial Virus Network (ReSViNET) Foundation. The respiratory syncytial virus vaccine landscape: lessons from the graveyard and promising candidates. *Lancet Infect Dis*. 2018 Jun 15. pii: S1473-3099(18)30292-5. doi: 10.1016/S1473-3099(18)30292-5.
 30. Bonadies L, Zaramella P, Porzionato A, Muraca M, **Baraldi E**. Bronchopulmonary dysplasia: what's new on the horizon? *Lancet Child & Adol* 2018 Published: 26 June 2018. DOI: [https://doi.org/10.1016/S2352-4642\(18\)30181-0](https://doi.org/10.1016/S2352-4642(18)30181-0) |

