

CURRICULUM VITAE

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EDUCATION:

1964-1968 BS (Astronomy) Northwestern University, Evanston, IL
1968-1971 MS (Astrophysics) University of Florida, Gainesville, FL
1971-1975 MD Jefferson Medical College, Philadelphia, PA
1975-1978 Residency (Pediatrics) University of North Carolina at Chapel Hill, NC
1978-1980 Postdoctoral 1980 (Pediatric/Adult Allergy & Immunology) National Jewish Hospital/National Asthma Center


ACADEMIC AFFILIATION:

1980-Present Clinical Professor, Division of Allergy, Immunology & Environmental Medicine in the Department of Pediatrics, University of North Carolina at Chapel Hill, Chapel Hill, NC

EMPLOYMENT HISTORY

1986-Present Clinical Research - Medical Director, North Carolina Clinical Research, Raleigh, NC
1980-2016 Private Practice of Allergy and Asthma, Carolina Allergy and Asthma Consultants, PA, Raleigh and Cary, NC
1980-1992 Director of Pediatric Allergy Clinic, University of North Carolina at Chapel Hill, Chapel Hill, NC

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BOARD CERTIFICATION/LICENSURE:

North Carolina Medical License No. 24437

Diplomate of the American Board of Pediatrics, 1980

Diplomate of the American Board of Allergy and Immunology, a Conjoint Board of the American Board of Internal Medicine and the American Board of Pediatrics, 1985

Certified Physician Investigator (CPI) (Since 9/20/2008)

PROFESSIONAL SOCIETIES:

American Academy of Asthma, Allergy & Immunology (Fellow)

American College of Asthma, Allergy & Immunology (Fellow)

American Thoracic Society

AOA - Medical Honorary

North Carolina Society of Allergy and Clinical Immunology
Secretary/Treasurer 1989-2015

CRN Clinical Research Network, LLC

Drug Information Association

PROFESSIONAL SERVICES:

Served as medical reviewer for:

- *Pediatrics*
- *Pediatric Asthma*
- *Chest*
- *American Journal of Medicine*
- *Journal of Pediatrics*
- *American Society of Health System Pharmacist Drug Information*
- *The American Journal of Managed Care*
- *Annals of Allergy, Asthma & Immunology*

PUBLICATIONS:

1. LaForce CF, Miller MF, Chai H: Effect of erythromycin on theophylline clearance in asthmatic children. *J. of Pediatr.* 99:153, 1981. Presented at American Academy of Allergy and Immunology, March 1981.
2. LaForce CF, Szeffler SJ, Miller MF, Ebling W, Jusko WJ: Inhibition of Methyl prednisolone elimination in the presence of erythromycin therapy. *J. Allergy Clin. Immun.* 72:34, 1983. Presented at the American Academy of Allergy and Immunology, March 1983.
3. Hamrick JH, Jennette JC, LaForce CF: Kimura's Disease: Report of a pediatric case in the United States. *J. Allergy Clin. Immun.* 73:561, 1984.
4. Pierson WE, LaForce CF, Bell TD, MacCosbe PE, Sykes RS, Tinkleman D: Long-term double-blind comparison of controlled-release albuterol versus sustained-release theophylline in adolescent and adult asthmatics. *J. Allergy Clin. Immun.* 1990, 85(3):618-26. Presented at the American Academy of Allergy and Immunology, March 1989.
5. Meltzer EO, Orgel HA, Bronsky EA, Furakawa CT, Grossman J, LaForce CF, Lemanske RF, Paull BR, Pearlman DS, Ratner PH, Spector SL, Tinkleman D, VanAs A, Rogenes PR: A dose ranging study of fluticasone propionate aqueous nasal spray for seasonal rhinitis assessed by symptoms, rhinomanometry, and nasal cytology. *J. Allergy Clin. Immun.* 1990, 86(2):221- 30. Presented at the American Academy of Allergy and Immunology, March 1989.
6. Nathan R, Bronsky E, Fireman P, Grossman J, LaForce C, Lemanske RF, Pearlman D, Ratner P: A study of once-versus-twice daily intranasal fluticasone propionate in the treatment of seasonal rhinitis assessed by symptoms, rhinomanometry, and nasal cytology. *J. Allergy Clin. Immun.* 86:221, 1990. Presented at the American Academy of Allergy and Immunology, March 1989.
7. Nathan RA, Bronsky EA, Fireman P, Grossman J, LaForce CF, Lemanske RF Jr, Pearlman DS, Ratner PH, Rogenes PR: Once daily fluticasone propionate aqueous nasal spray is an effective treatment for seasonal allergic rhinitis. *Annals of Allergy* 1991 Sep; 67(3):332-8.
8. Pearlman DS, Chervinsky P, LaForce CF, Seltzer JM, Southern DL, Kemp JP, Dockhorn RJ, Grossman J, Liddle RF, Yancey SW, Cocchetto DM, Alexander WJ, vanAs A: A comparison of salmeterol with albuterol in the treatment of mild-to-moderate asthma. *N. Eng. J. Med.* 327:1420-1425, November 1992. Presented to AAAI, 1991.
9. Winder J, Bell T, Brodsky L, English G, LaForce CF, Lopex M, Welch M, Feiss G, Tobey R, Smith J: A comparative study of intranasal triamcinolone acetonide aerosol and intranasal beclomethasone dipropionate aqueous spray in perennial allergic rhinitis. *Immun. and Aller.*

Practice 15:203, 1993.

10. LaForce CF, Ellis EF, Kordansky DW, Cocchetto DM, Sharp JT: Use and acceptance of ventolin Rotacaps® and the Rotahaler® in 1235 asthmatic patients. *Clinical Therapeutics, Vol 15:2, March-April 1993, P321-29.*
11. Chervinski P, vanAs A, Bronsky EA, Dockhorn R, Noonan M, LaForce CF, Pleskow W: Fluticasone propionate aerosol for the treatment of adults with mild-to-moderate asthma. *J. Allergy Clin. Immunol. 1994; 94(4):676-683.*
12. Banov CH, Woehler TR, LaForce CF, Pearlman DS, Blumenthal MN, Miller MF, Morgan WF, Frazer H, Southern DL, Gold B, Field E, Rogenes PR: Once daily intranasal fluticasone propionate is effective for perennial allergic rhinitis. *Annals of Allergy 1994;73(3):240-6.*
13. LaForce CF, Dockhorn RJ, Findlay SR, Meltzer EO, Nathan RA, Stricker W, Weakley S, Field EA, Rogenes PR: Fluticasone propionate is more effective than beclomethasone dipropionate for seasonal allergic rhinitis in adults and adolescents. *J of Fam Pract; Vol. 38, No.2, (Feb.), 1994.*
14. Sheffer AL, LaForce C, Chervinsky P, Pearlman D, Schaberg A, and the Fluticasone Propionate Asthma Study Group: Fluticasone propionate aerosol: efficacy in patients with mild to moderate asthma. *J Fam Pract 1996; 42:369-75.*
15. LaForce CF, Dockhorn RJ, Prenner BM, Chu TJ, Kraemer MJ, Widlitz MD, D'Eletto TA, Freitag J: Safety and efficacy of azelastine nasal spray (Astelin NS) for seasonal allergic rhinitis: A 4-week comparative multicenter trial. *Annals of Allergy, Asthma & Immunology, February 1996, 76:181.*
16. Munk Z, LaForce C, Furst J, Simpson B, Feiss G, Smith J: Efficacy and safety of triamcinolone acetonide aqueous nasal spray in patients with seasonal allergic rhinitis. *Annals of Allergy, Asthma & Immunology, October 1996, 77:277-281.*
17. Allen DB, Bronsky EA, LaForce CF, Lawrence M, Nathan RA, Tinkleman DG, Vandewalker ML, Konig P, and the Fluticasone Propionate Asthma Study Group: Growth in asthmatic children treated with fluticasone propionate. *Journal of Pediatrics, March 1998, 1-6.*
18. LaForce C, Pearlman DS, Ruff M, Silvers WS, House KW, Brown A, Hamedani AG: Fluticasone propionate powder-administration via diskus inhaler once daily or twice daily to pediatric patients with moderate persistent asthma. *Presented at Annual Meeting of the American Academy of Allergy, Asthma and Immunology, February 1997.*
19. Casale TB, Bernstein IL, Busse W, LaForce CF, Tinkleman DG, Stoltz RR, Dockhorn RJ, Reimann J, Su JQ, Fick RB, Adelman DC: Use of an anti-IgE humanized monoclonal antibody in ragweed-induced allergic rhinitis. *J. Allergy Clin. Immun. 100:1, February 1997, 100-21.*

20. Shapiro G, Bronsky EA, LaForce CF, Mendelson L, Pearlman D, Schwartz RH, Szeffler SJ: Dose-related efficacy of budesonide administered via a dry powder inhaler in the treatment of children with moderate to severe persistent asthma. *The Journal of Pediatrics*, June 1998, Vol 132, Number 6: 976-982.
21. Sorkness CA, LaForce C, Storms W, Lincourt WR, Edwards L, Rogenes PR: The effects of the inhaled corticosteroids fluticasone propionate, triamcinolone acetonide, and flunisolide and oral prednisone on the hypothalamic-pituitary-asthma axis in adult patients with asthma. *Clinical Therapeutics*, Vol 21, Number 2, February 1999.
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23. LaForce C: Use of nasal steroids in managing allergic rhinitis. *Journal of Allergy and Clinical Immunology*, Vol 103: Number 3, Pt 2, S388-393, March 1999.
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26. Pleskow W, LaForce CF, Yegen U, Matos D, Cioppa GD: Formoterol delivered via the dry powder aerolizer™ inhaler versus albuterol MDI and placebo in mild to moderate asthma: a randomized, double-blind, double-dummy trial. *Journal of Asthma*, November 2003 Vol.40, No.5, pp.505-514.
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35. Banov CH, Lieberman P, and members of vasomotor rhinitis study group: Efficacy of azelastine nasal spray in the treatment of vasomotor (perennial nonallergic) rhinitis. *Annals of Allergy, Asthma & Immunology, Vol 86, January, 2001.*
36. Nayak AS, Philip G, Lu S, Malice MP, Reiss TF, and Montelukast Fall Rhinitis Investigator Group: Efficacy and tolerability of Montelukast alone or in combination with loratadine in seasonal allergic rhinitis: a multicenter, randomized, double-blind, placebo-controlled trial performed in the fall. *Annals of Allergy, Asthma & Immunology, Vol 88, No. 6, June 2002.*
37. LaForce C, Corren J, Wheeler WJ, Berger WE and the Rhinitis Study Group: Efficacy of azelastine nasal spray in seasonal allergic rhinitis patients who remain symptomatic after

treatment with fexofenadine. *Annals of Allergy, Asthma & Immunology*, 2004 Aug; 93(2): p 154-9.

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39. Weiler J, Nathan R, Rupp N, Kalberg C, Emmett A, Dorinsky P, with acknowledgments to LaForce C, et al for expertise and contribution: Effect of Fluticasone/Salmeterol administered via a single device on exercise-induced bronchospasm in patients with persistent asthma. *Ann Allergy Asthma Immunol*. January 2005; Vol 94, p 65-72.
40. Schenkel E, LaForce C, Gates D: Mometasone furoate nasal spray is effective in relieving the ocular symptoms associated with seasonal allergic rhinitis. *Ear, Nose & Throat Journal*, May 16, 2005.
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42. Pearlman D, Berger W, Kerwin E, LaForce C, Kundu S, Banerji D: Once-daily ciclesonide improves lung function and is well tolerated by patients with mild-to-moderate persistent asthma. *J Allergy Clin Immunol*, December 2005, pp 1206-1212.
43. LaForce C, Prenner B, Andriano K, Lavecchia C, Yegen U: Efficacy and safety of Formoterol delivered via a new multidose dry powder inhaler (Certihaler™) in adolescents and adults with persistent asthma. *Journal of Asthma*, 42: 101-106, 2005.
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47. Wolfe J, LaForce C, Friedman B, Sokol W, Till D, Della Cioppa G, van As A: Formoterol, 24 µg bid, and serious asthma exacerbations: similar rates compared with Formoterol, 12 µg bid, with and without extra doses taken on demand, and placebo. *Chest* 2006; 129: 27-38.

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51. LaForce C, Alexander M, Deckelmann R, Fabbri L, Aisanov Z, Cameron R, Owen R, Higgins M: Indacaterol provides sustained 24 h bronchodilation on once-daily dosing in asthma: a 7-day dose-ranging study. *Allergy 2008, 63, p 103-111.*
52. Berger WE, Nayak A, Lanier BQ, Kaiser HB, LaForce C, Darken P, Hall N, Wingertzahn M: Efficacy and safety of once-daily ciclesonide nasal spray in children with allergic rhinitis. *Pediatric Asthma, Allergy and Immunology, Vol 21: May 19, 2008, p 73-82.*
53. Zhou H, Tang Y, Alexis N, Almond M, Donohue J, LaForce C, Bromberg P, Peden D: Influence of the C-159T single nucleotide polymorphism of the CD14 gene promoter on lung function in smokers with chronic bronchitis. *Respiratory Medicine (2009) XX, p 1-8.*
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55. LaForce C, Korenblat P, Osborne P, Dong F, Higgins M: 24-hour bronchodilator efficacy of single doses of indacaterol in patients with persistent asthma: comparison with placebo and formoterol. *Current Medical Research and Opinions, Vol. 25, No. 10, August 2009, p 2353-2359.*
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61. Vogelmeier C, Magnussen H, LaForce C, Owen R, and Kramer B: Profiling the bronchodilator effects of the novel ultra-LABA indacaterol against established treatments in COPD. *Pulmonary Pharmacology & Therapeutics) July 21, 2010.*
62. Li J, Qaqundah P, Weinstein S, LaForce C, Ellsworth A, Ortega H, and Ferro T: Fluticasone propionate/salmeterol combination in children with asthma: Key cardiac and overall safety results. *Clinical Research and Regulatory Affairs, 2010; 27(3): p 87- 95.*
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64. van Noord J, Buhl R, LaForce C, Martin C, Jones F, Dolker M, Overend T: QVA149 demonstrates superior bronchodilation compared with indacaterol or placebo in patients with chronic obstructive pulmonary disease. *Thorax Online First, October 26, 2010, p 1-6.*
65. LaForce C, Carr W, Tilles S, Chipps B, Storms W, Meltzer E, and Edwards M: Evaluation of olopatadine hydrochloride nasal spray, 0.6%, used in combination with an intranasal corticosteroid in seasonal allergic rhinitis. *Allergy Asthma Pro 31:132-140, 2010.*
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Sutherland ER, National Heart, Lung, and Blood Institute's AsthmaNet: Effect of vitamin D3 on asthma treatment failures in adults with symptomatic asthma and lower vitamin D levels: the VIDA randomized clinical trial. *JAMA, May, 2014; 311 (20): 2083-91. Doi: 10:1001/jama.2014.5052.*

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90. LaForce C, Pearle J, Feldman G, Spangenthal S, Eckert J, Mota F, Henley M, D'Andrea P: Efficacy and safety of glycopyrronium in COPD patients with moderate-to-severe airflow limitation: the GEM1 study. *Poster presented at ATS annual meeting, May 20, 2015, Denver, Colorado, posterboard #P512.*
91. Kerwin E, LaForce C, Pedinoff A, Di-Giovanni R, Jessup N, Henley M, D'Andrea P: Cardiovascular safety of Glycopyrronium in patients with moderate-to-severe COPD: pooled analysis from GEM1, GEM2, Flight 1 and Flight 2 studies. *Poster presented at CHEST 2015 Congress October 24-28, Montreal, Quebec, Canada. Poster presented at ATS 2016 Annual meeting, May 13-18, San Francisco, California.*
92. Ferguson GT, Fitzgerald JM, Bleecker ER, Laviolette M, Bernstein D, LaForce C, Mansfield L, Barker P, Wu Y, Jison M, Goldman M, on behalf of the BISE study investigators: Benralizumab for mild to moderate, persistent asthma: The BISE Phase III study. *Podium presentation at ERS (European Respiratory Society) Congress, London,, September 7, 2016.*
93. Alving K, Anolik R, Crater G, LaForce C, Rickard K: Validation of a new portable exhaled nitric oxide analyzer: Randomized studies in asthma. *.FeNO abstract presented at ACAAI annual meeting, San Francisco, CA, November 10-14, 2016.*



North Carolina Medical Board

Physician License Certificate

Next Renewal Date	Certificate #
07/18/2017	9512

This physician named below is currently licensed with the NC Medical Board and has paid the fees as required by the general statutes of North Carolina, section 90-13.1 and rules promulgated pursuant thereto

License No: 24437

Craig Fred La Force MD
North Carolina Clinical Research
2615 Lake Dr
Suite 301
Raleigh, NC 27607

R. Daniel Henderson
Executive Director

Below is your renewal certificate for your wallet. Please detach and discard this portion.



North Carolina Medical Board

Next Renewal Date

07/18/2017

Certificate #
9512

This is to certify that the physician named below is currently licensed with the NC Medical Board and has paid the fees as required by section 90-13.1 and rules promulgated pursuant thereto.

Craig Fred La Force MD
License No : 24437

R. Daniel Henderson
Executive Director



DEA REGISTRATION NUMBER	THIS REGISTRATION EXPIRES	FEE PAID
AL9372842	03-31-2018	\$731
SCHEDULES	BUSINESS ACTIVITY	DATE ISSUED
2,2N,3 3N,4,5	PRACTITIONER	03-31-2015
LA FORCE, CRAIG FRED MD 2615 LAKE DR STE 301 RALEIGH, NC 27607		

CONTROLLED SUBSTANCE REGISTRATION CERTIFICATE
UNITED STATES DEPARTMENT OF JUSTICE
DRUG ENFORCEMENT ADMINISTRATION
WASHINGTON, D.C. 20537

Sections 304 and 1008 (21 U.S.C. 824 and 958) of the Controlled Substances Act of 1970, as amended, provide that the Attorney General may revoke or suspend a registration to manufacturer, distribute, dispense, import or export a controlled substance.

THIS CERTIFICATE IS NOT TRANSFERABLE ON CHANGE OF OWNERSHIP, CONTROL, LOCATION, OR BUSINESS ACTIVITY, AND IS NOT VALID AFTER THE EXPIRATION DATE.

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Form DEA-223 (05/04)

Association of Clinical Research Professionals

through its independent affiliate, the Academy of Clinical
Research Professionals, bestows upon

Craig LaForce

THE DESIGNATION OF

Certified Principal Investigator

for having satisfied the standards of ethical and responsible clinical research, including substantial professional experience performing role-specific essential duties, demonstrating proficiency through a comprehensive examination, and committing to ongoing professional development in the practice of clinical research.

Swain H. Warren, LVA, CRC

Chair, Academy of Clinical Research Professionals

CERTIFICATION DATE: OCTOBER 17, 2008
EXPIRATION DATE: NOVEMBER 30, 2018



This program meets the Minimum Criteria for ICH
GCP Investigator Site Personnel Training identified by
TransCelerate BioPharma as necessary to enable mutual
recognition of GCP training among trial sponsors.

ADVANCED CARDIAC LIFE SUPPORT

ACLS
Provider



ACLS
Training
Association™

Craig LaForce

This card certifies that the person listed above has successfully completed the Advanced Cardiac Life Support examination and skills scenarios review based on the latest American Heart Association and ECC guidelines.

11/10/2015

11/10/2017

Issue Date

Renewal Date

ADVANCED CARDIAC LIFE SUPPORT

Training

Center:

ACLS Training Association

Training Center #:

32833

Region:

Raleigh, NC 27607

Provider #:

08462484291

Instructor:

Jennifer Bunn, RN

Instructor #:

01201746832

Instructor's
Signature:

Jennifer Bunn

Provider's
Signature:

Craig LaForce