

**Marco Vinicio Medina-Zea MD. FACS. FASMBS.**

**Personal information:**

**Email Address:** [viniciomedinamd@gmail.com](mailto:viniciomedinamd@gmail.com)

**Phone Number:** 201-888-4812

**Board Certified American Board of Surgery  
Fellow American College of Surgery  
Fellow American Society of Metabolic and Bariatric Surgery**

**Board Certified General Surgeon, Laparoscopic and Bariatric/Robotic Surgery  
Fellow American College of Surgery**

**Clinical Preceptor in General Surgery Osteopathic Arkansas College of Osteopathic  
Medicine**

**General Surgery Training:**

**General Surgery: Chief Resident General Surgery Residency**

Morristown Medical Center

Atlantic Health System

Morristown, New Jersey

Eric L. Lazar, MD FACS, Program Director

July 2016- June 2017

**Da Vinci Robotic Surgery**

January 2017

Morristown Medical Center

Atlantic Health System

Eric L. Lazar, MD FACS, Program Director

**General Surgery Resident**

Morristown Medical Center

Atlantic Health System

Morristown, New Jersey

Eric L. Lazar, MD FACS, Program Director

July 2012 – June 2016

## **Education:**

### **Bachelor in Biology and Chemical Sciences**

Rafael Borja High School, Cuenca Ecuador

Oct 1995 – July 2001

### **Doctor in Medicine**

Universidad de Cuenca, Ecuador

Sept 2001 - Jul 2008

MD 2008

### **USMLE**

Kaplan Institute New York City

Nov 2008 - March 2010

### **Research Fellow**

NYU Langone Medical Center Localio Lab

March 2010 - Feb 2012

### **General Surgery Residency**

Morristown Medical Center

July 2012 - June 2017

## **Certification:**

### **Board Certified General Surgery:**

November 2018

### **Fellow American Collge of Surgery:**

October 2019

### **Fellow American Society Bariatric and Metabolic Surgery**

January 2021

### **Si/Xi Robotic Surgery Certification Program**

Morristown Medical Center 2017

**ECFMG # 07910102** 2012

**ATLS ACLS BLS** 2012 - Current

### **Fundamentals of Laparoscopic Surgery Certified**

2015 – Current

### **Medical License: Arkansas State of Medical Boards**

License #: E-1031

### **Memberships:**

Fellow American College of Surgery

Fellow American Society of Metabolic and Bariatric Surgery

Member of American College of Colorectal Surgery

American Medical Association

Rotary International Club, Ecuador

Morristown Surgical Society

### **Committees:**

Surgery Performance Improvement & Patient Safety  
Committee Morristown Medical Center 2017

### **Honors/:Awards:**

2014 ICU Compassionate Care Award  
SICU Morristown Medical Center demonstrating excellence  
in patient-family care

Golden Apple Award Nominee by New Jersey Medical  
School Surgery Rotation 2013 - 2014

First Place, Top Gun Award, Open Suturing  
Institute of Bio skills Training and Innovation  
Morristown Medical Center, 2012.

2nd Place in 6th National Contest of Clinical Cases and  
Surgical Cases of University of Portoviejo - Ecuador  
2003.

2nd Place Contest of Basic Sciences  
University of Cuenca - Ecuador  
2002.

1st Place in Center #4 Yanuncay Ecuador  
Emergency Department.

### **Work Experience:**

Saint Vincent Hospital, Hot Springs AR, USA  
General Surgery Department  
General Laparoscopic Bariatric, General and Robotic Surgery, 2017-present

Hospital Monte Sinai, Ecuador.  
General Surgery Department  
Surgery Second Assistant 2008-2009

Hospital Monte Sinai, Ecuador.  
Head and Neck Surgery Department  
Surgery Second Assistant, 2011-2012

Hospital Monte Sinai, Ecuador  
General Surgery Department  
Surgery Second Assistant, 2011-2012

CEFESA, Ecuador  
Fertility and Gynecology Center  
Surgery Second Assistant, 2011-2012

### **Volunteer Experience:**

General Surgery Mission with UMHLA to Guatemala  
Nov 2019

General Surgery Mission with UMHLA to Ecuador  
Feb 2019

New York University School of Medicine, New York  
Observership, 2011- 2012

Rotary International Club Macas #58594, Ecuador 2010  
Rotary International Club in Ecuador. The Community of  
Yuwintza etnia Share

Rotary International Club Macas #58594, Ecuador 2011  
South America, Rotary International Club in Ecuador. The  
Community Yasnunca and Nunkuinunca Shuar community

Rotary International Club Macas #58594, Ecuador 2011  
Rotary International Club in Ecuador. The Union Community  
and Yukiantza etnia Shuar

## Research:

### Research Experience: Research Fellow NYU Langone Medical Center

**NYU Langone Medical Center**  
**S. Arthur Localio, George Miller Laboratories**  
**George Miller, MD FACS, Director**  
**May 2011- January 2012**

S. Arthur Localio. George Miller Laboratories, NYU Department of Surgery,

I was a research fellow in a very dynamic surgical laboratory. My projects involved studying the immune regulatory mechanisms underlying the transition of chronic pancreatic inflammation to pancreatic cancer; I was also charged with training technicians and new surgical fellows. I am first authored a publication entitled "Dendritic Cells Promote Pancreatic Viability in Mice with Acute Pancreatitis." In addition, I co-authored a study investigating the role of Signaling via Toll-Like Receptor 7 Drives Pancreatic Carcinogenesis and Dectin-1 modulates pancreatitis. My experience has laid a ground-work for my career as a surgeon-investigator

## Publications:

**Dendritic cells regulate fibro-inflammation but exacerbate steatosis in non-alcoholic steatohepatitis** Henning, J R; Graffeo, C S; Deutsch, M; Fallon, N; Rehman, A; Barilla, R; **Medina-Zea, M**; Zambirinis, C; Miller, G 2012 September 2012;215(3):S138-S139, Journal of the American College of Surgeons — id: 178255, year: 2012, vol: 215, page: S138, stat: Journal Article,

**The role of dendritic cell and pancreatic stellate cell cross-talk in chronic pancreatitis** Nguyen A.H.; Bedrosian A.S.; Connolly M.; Henning J.; **Medina-Zea V.**; Cieza-Rubio N.E.; Dorvil-Castro M.; Graffeo C.; Hackman M.; Rehman A.; Ibrahim J.; Miller G. 2012 ;172(2):223-223, Journal of Surgical Research — id: 150878, year: 2012, vol: 172, page: 223, stat: Journal Article,

**Dendritic cells promote pancreatic viability in mice with acute pancreatitis** Bedrosian, Andrea S; Nguyen, Andrew H; Hackman, Michael; Connolly, Michael K; Malhotra, Ashim; Ibrahim, Junaid; Cieza-Rubio, Napoleon E; Henning, Justin R; Barilla, Rocky; Rehman, Adeel; Pachter, H Leon; **Medina-Zea, Marco V**; Cohen, Steven M; Frey, Alan B; Acehan, Devrim; Miller, George 2011 Nov;141(5):1915-26.e1, Gastroenterology — id: 139730, year: 2011, vol: 141, page: 1915, stat: Journal Article,

**Dendritic Cells Promote Pancreatic Viability in Mice with Acute Pancreatitis.** Bedrosian AS, Nguyen AH, Hackman M, Connolly MK, Malhotra A, Ibrahim J, Cieza-Rubio NE, Henning JR, Barilla R, Rehman A, Pachter HL, **Medina-Zea MV**, Cohen SM,

Frey AB, Acehan D, Miller G: Gastroenterology 2011 Aug; 141(5): 1915-1926. Cited in PubMed; PMID: 21801698.

**Toll-like Receptor 7 Regulates Pancreatic Carcinogenesis** Ochi A, Graffeo CS, Zambirinis CP, Rehman A, Hackman M, Fallon N, Barilla RM, Henning JR, Jamal M, Rao R, Greco S, Deutsch M, **Medina-Zea MV**, Bin Saeed U, Ego-Osuala MO, Hajdu C, Miller G.JCI. Nov 2012

**Toll-like receptor 7 regulates pancreatic inflammation and transformation** Graffeo S, Rehman A, Zambirinis CP, Fallon N, Henning JR, Barilla R, Jamal M, **Medina-Zea M V**, Deutsch M, Miller G, Journal of the American college of Surgeons, 9/2012

**Dendritic cells regulate fibro-inflammation but exacerbate steatosis in non-alcoholic steatohepatitis** Henning JR., Graffeo C, Deutsch M, Fallon N, Rehman A, Barilla A, **Medina-Zea M**, Zambirinis C, Miller G, Journal of the American college of Surgeons, 9/2012

**Toll-like Receptor 7 Regulates Pancreatic Carcinogenesis in mice and humans** *Atsuo Ochi<sup>1</sup>, Christopher S. Graffeo<sup>2</sup>, Constantinos P. Zambirinis<sup>1</sup>, Adeel Rehman<sup>1</sup>, Michael Hackman<sup>2</sup>, Nina Fallon<sup>1</sup>, Rocky M. Barilla<sup>1</sup>, Justin R. Henning<sup>1</sup>, Mohsin Jamal<sup>1</sup>, Raghavendra Rao<sup>1</sup>, Stephanie Greco<sup>1</sup>, Michael Deutsch<sup>1</sup>, **Marco V. Medina-Zea<sup>1</sup>**, Usama Bin Saeed<sup>1</sup>, Melvin O. Ego-Osuala<sup>1</sup>, Cristina Hajdu<sup>3</sup> and George Miller<sup>1,2</sup>*

**Inhibition of MyD88 Signaling Promotes Pancreatic Inflammation and Carcinogenesis** Mushlin H, Graffeo CS, Rehman A, **Medina-Zea M**, Barilla R, Zabarkash S, Hemmert K, Aggarwal P, Fallon N, Connolly M, Miller G, Medical Student Research Poster Competition, American College of Physicians, New Orleans, LA, 4/2012

**Pan-Negative Bone Marrow-Derived Cells Dramatically Worsen Pancreatitis via an ICAM-1 Dependent Mechanism** Graffeo, C., Hackman, M., Rehman, A., Rahim, S., Nguyen, A., **Medina- Zea, M.**, Lebovics, H., Dorvil-Castro, M., Marr, M., Henning, J., Miller, G, American Pancreatic Association, 11/2011

## Oral Presentation

### **Bariatric Surgery and Obesity**

Medina-Z Marco Vinicio (August 2018)

Oral Presentation at: Bariatric Seminar CHI St. Vincent Hospital  
Hot Springs, Arkansas

### **Diverticulitis and most current Surgical treatment**

Medina-Z Marco Vinicio (2017, May)

Oral Presentation at: Surgery Grand Rounds Morristown Medical Center  
Morristown, New Jersey

### **Visual Evoked Potentials.**

**Medina-Z Marco Vinicio**, Lopez Guillermo, Landivar Eulalia. (2003, January).

Oral Presentation presented at: Surgical Cases and Clinical Cases in University of  
Cuenca;  
Cuenca, Ecuador.

### **Visual Evoked Potentials.**

**Medina-Z Marco Vinicio**, Lopez Guillermo, Landivar Eulalia. (2003, April).

Oral Presentation presented at: VI National Meeting of Surgical Cases and Clinical  
Cases;  
Porto Viejo, Ecuador.

### **Bariatric Surgery Procedimientos y complicaciones.**

**Medina-Z Marco Vinicio**, Serrano Alvarado Patricio. (2012, March).

Oral Presentation presented at: 1st Meeting of Surgery Monte Sinai Ecuador.; Cuenca,  
Ecuador.

## Poster Presentation:

### **The Role of Dendritic Cell and Pancreatic Stellate Cell Cross-Talk in Chronic**

**Pancreatitis** Nguyen, A. Bedrosian, M. Connolly, J. Henning, **M. Medina-Zea**, N. Cieza-Rubio, M. Dorvil-Castro, C. S. Graffeo, M. Hackman, A. Rehman, J. Ibrahim, and G. Mill. (2012, February.) Oral Presentation presented at: Association for Academic Surgery and Society of University Surgeons 7th Annual Academic Surgical Congress; Las Vegas, NV.

### **Toll-Like Receptor 7 Regulates Pancreatic Inflammation and Transformation.**

C. S. Graffeo, A. Rehman, C. Zambirinis, J. Henning, N. Fallon, R. Barilla, M. **Medina-Zea**, M. Jamal, M. Deutch, G. Miller.. (2012, September). Oral Presentation presented at: American College of Surgeons' 98th Annual Clinical Congress, Surgical Forum; San Francisco, CA.

**Signaling via Toll-Like Receptor 7 Drives Pancreatic Carcinogenesis.**

*C. S. Graffeo, M. Hackman, A. Rehman, A. Ochi, **M. Medina-Zea**, J. Henning, M. Dorvil, P. Aggarwal, S. Rahim, R. Barilla, and G. Miller. (2011, October). Oral Presentation presented at: NYU Cancer Institute 8th Annual Translational Research Retreat; New York, NY.*

**Pan-Negative Bone Marrow-Derived Cells Dramatically Worsen Pancreatitis via an ICAM-1 Depend.** *Graffeo, C., Hackman, M., Rehman, A., Rahim, S., Nguyen, A., **Medina- Zea, M.**, Lebovics, H., Dorvil-Castro, M., Marr, M., Henning, J., Miller, G. (2011, November).*

**Pan-Negative Bone Marrow-Derived Cells Dramatically Worsen Pancreatitis via an ICAM-1 Dependent Mechanism.** Poster presented at: American Pancreatic Association 2011 Annual Meeting; Chicago, IL.

**Inhibition of MyD88 Signaling Promotes Pancreatic Inflammation and Carcinogenesis.** *H. Mushlin, C. S. Graffeo, A. Rehman, **M. Medina-Zea**, R. Barilla, S. Zabarkash, K. Hemmert, P. Aggarwal, N. Fallon, M. Connolly, and G. Miller. (2012, April).* Poster presented at: American College of Physicians; New Orleans, LA.

**The Dichotomous Role of Dendritic Cells in Modulating Pancreatitis.. America.** *Graffeo, C., Nguyen, A., Mushlin, H., Hemmert, K., Zarbakhsh, S., Rehman, A., Rahim, S., Lebovics, H., **Medina-Zea, M.**, Miller, G.. (2011, October).* Oral Presentation presented at: American College of Surgeons Annual Clinical Congress; San Francisco, CA.



## REFERENCES:

**Eric L. Lazar, MD FACS. Vice Chairman Surgery Department Morristown Medical Center, Program Director Morristown Medical Center**

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**George Miller, MD FACS. Surgical Oncology New York University, Director of George Miller laboratory - St Arthur Localio. George Miller laboratory NYU Langone Health**

George.miler@nyumc.org (cell: 201-446-3608)

**Ashish Padnani, MD, FACS, FASMBS Morristown Medical Center, Bariatric Surgery Morristown Medical Center**

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