

**Curriculum Vitae**  
**Nielsen Quimaira Fernandez-Becker, MD, PhD**

**APPOINTMENT:** Associate Professor of Medicine  
Division of Gastroenterology and Hepatology  
Director, Celiac Program  
Stanford University School of Medicine

**EDUCATION:**

1989-1994 Bachelor of Science, Biology  
City University of New York

1994-1997 Master of Science, Molecular Genetics  
Albert Einstein College of Medicine, Yeshiva University

1994-2002 MD, PhD, Albert Einstein College of Medicine, Yeshiva University

**POST DOCTORAL TRAINING:**

2002-2005 Internal Medicine Residency, Massachusetts General Hospital  
Harvard Medical School, Boston, Massachusetts

2005-2009 Gastroenterology and Hepatology Fellowship  
Beth Israel Deaconess Medical Center  
Harvard Medical School, Boston, Massachusetts

2008-2009 Inflammatory Bowel Disease Clinical and Research Fellowship  
Beth Israel Deaconess Medical Center/Harvard Medical School

10/2012 Motility Training (Esophageal and Anorectal Manometry)  
Cedars Sinai Medical Center, Los Angeles, California

**BOARD CERTIFICATION:**

2005 American Board of Internal Medicine

2009 American Board of Internal Medicine- Gastroenterology

## **FACULTY APPOINTMENTS:**

9/1/09- 2/15/13	Instructor of Medicine, Gastroenterology and Hepatology Stanford University School of Medicine
2/16/13-7/1/2019	Clinical Assistant Professor of Medicine, Gastroenterology and Hepatology, Stanford University School of Medicine
7/1/2019- Present	Clinical Associate Professor of Medicine, Gastroenterology and Hepatology, Stanford University School of Medicine

## **LEADERSHIP ROLES:**

2014-2015	Elected Councilor, Neurogastroenterology and Motility Section American Gastroenterological Association Institute Council
2015- Present	Director, Celiac Disease Program Division of Gastroenterology and Hepatology Stanford University School of Medicine
2015-Present	Director, Capsule Endoscopy Teaching Program Division of Gastroenterology and Hepatology Stanford University School of Medicine

## **AWARDS AND HONORS:**

1994	William Stratford Prize for Academic Excellence City University of New York, City College
1994	Edmund Baerman Award for Excellence in Biology City University of New York, City College
1994	Jonas Salk Award, Honorable Mention City University of New York, City College
1992-1994	NIH MARC/MBRS Undergraduate Program City University of New York, City College
1995-2000	NIH NIGMS MARC Pre-doctoral Fellowship F31-GM17568 Albert Einstein College of Medicine
2000-2002	Samuel and May Rudin Scholarship

Albert Einstein College of Medicine

- 2002 Dean's List Albert Einstein College of Medicine  
Albert Einstein College of Medicine
- 2007 Invited Participant, American Gastroenterological Association  
Inflammatory Bowel Retreat, Rancho Mirage, California
- 2012 Invited Participant, American Gastroenterological Association and  
American College of Gastroenterology Academic Skills Workshop  
Chicago, Illinois
- 2014 Hispanic Center of Excellence Fellowship Grant  
Stanford University

**INVITED SPEAKER/CHAIRPERSON AT INTERNATIONAL SCIENTIFIC MEETINGS:**

- 11/08/2019 Invited Speaker, Session 27: The Functional Luminal Probe  
"Does FLIP add value in dysphagia & achalasia?"  
13<sup>th</sup> OESO World Conference for Esophageal Diseases, China  
National Convention Center, Beijing China
- 11/08/2019 Invited Speaker, Session 40: Achalasia: Physiology and diagnosis  
"Can eosinophilic esophagitis cause achalasia?"  
13<sup>th</sup> OESO World Conference for Esophageal Diseases,  
China National Convention Center, Beijing, China
- 11/09/2019 Invited Chairperson & Speaker, Session 73:  
Eosinophilic Esophagitis: key unanswered questions  
"Should we move past peak eosinophil count and use EoE  
histologic scoring system?" 13<sup>th</sup> OESO World Conference for  
Esophageal Diseases, China National Convention Center, Beijing  
China

**INVITED SPEAKER/MODERATOR AT NATIONAL SCIENTIFIC MEETINGS:**

- 5/19/2015 Invited Moderator, American Gastroenterological Association  
Neurogastroenterology "Centrifugal/Centripetal Research Forum"  
Digestive Disease Week 2015, Washington DC

- 4/24/2018 Invited Speaker, Jacobi Hospital Albert Einstein College of Medicine Grand Rounds: "Celiac Disease", Bronx, New York
- 8/28/2020 A not so typical cause of atypical chest pain.  
Multi-institutional Esophageal Conference (Stanford CA) **Zoom meeting?**

**INVITED SPEAKER/MODERATOR AT REGIONAL SCIENTIFIC MEETINGS:**

- 10/2013 Invited Speaker, "Malabsorption Syndromes"  
Foothill College Middlefield Campus, Palo Alto, California
- 2/2014 Invited Speaker, "Celiac Disease and Gluten Sensitivity"  
Apple Headquarters, Cupertino, California
- 9/2016 Invited Speaker, GI symposium: "Celiac Disease and Wheat Disorders" Saint Agnes Medical Center, Fresno, California
- 11/2017 Invited Speaker, Gluten Free and Allergy Friendly Expo:  
"Demystifying Celiac From Symptoms to Diagnosis"  
San Mateo, California
- 5/2018 Invited Speaker, "Celiac Disease: Understanding the disease and testing recommendations/insights into interpretation"  
One Medical Group, Palo Alto, California

**INVITED SPEAKER / MODERATOR / CHAIRPERSON, REGIONAL SCIENTIFIC MEETINGS (Organized by Stanford University):**

- 1/2017 Invited Speaker, GI Motility Symposium: "Abdominal Pain, Bloating and Constipation", Stanford University
- 6/2017 Invited Speaker, Annual Esophageal Symposium: "Eosinophilic Esophagitis an Emerging Epidemic", Stanford University
- 11/2017 Invited Chairperson / Moderator / Speaker, Celiac Symposium: "What to do when gluten free diet does not work", Stanford University
- 4/2018 Invited Speaker, Second Annual Esophageal Symposium: "The Functional Luminal Imaging Probe (FLIP)", Stanford University

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| 4/12/2019 | Invited Speaker, Third Annual Esophageal Symposium: "Eosinophilic Esophagitis: A New GI Epidemic", Stanford University             |
| 9/8/2019  | Invited Speaker, "Celiac Disease and Malabsorptive Disorders of the Small Intestines". GI Board Review Course, Stanford University |

**INVITED SPEAKER, STANFORD SCIENTIFIC MEETINGS:**

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| 4/2018  | Invited Speaker, Sean N. Parker State of Center: "Eosinophilic GI Disease". Lucille Packard Hospital                                  |
| 5/1/19  | Invited Organizer/Moderator<br>Celiac Disease: Patient oriented research and clinical case presentation. Digestive Disease Conference |
| 7/25/19 | Invited Discussant, Internal Medicine Mortality and Morbidity Conference. Discussion of case of Nausea.                               |

**MEMBERSHIP ON UNIVERSITY COMMITTEES:**

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| 1996- 1999 | Medical Scientist Training Program Steering Committee, Albert Einstein College of Medicine        |
| 1999-2000  | Albert Einstein College of Medicine Senate  |
| 2003-2005  | Internship Selection Committee, Massachusetts General Hospital                                    |
| 2017-2018  | Staff Morale Task Force, Division of Gastroenterology and Hepatology, Stanford School of Medicine |

**GRANT REVIEWER:**

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| 2018 | Netherlands Organisation for Scientific Research |
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**REVIEWER FOR SCIENTIFIC JOURNAL:**

*PLOS-One, Clinical Gastroenterology and Hepatology*

**MEMBERSHIP IN NATIONAL SCIENTIFIC SOCIETIES:**

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| 2002-2008     | Massachusetts Medical Society                        |
| 2005-2009     | American Society for Gastrointestinal Endoscopy      |
| 2006-2009     | American Association for the Study of Liver Diseases |
| 2019- Present | American College of Gastroenterology                 |
| 2008- Present | American Gastroenterological Association             |

2012-Present  
2017-Present

American Neurogastroenterology and Motility Society  
North American Society for Study of Celiac Disease

**RESEARCH:**

**CURRENT SUPPORT:**

AW737301                      Sindher (PI)                      10/1/18- 9/30/2021  
Regeneron Pharmaceuticals  
A Phase 3, Randomized, 3-Part Study to Investigate the Efficacy and Safety of Dupilumab in Adult and Adolescent Patients with Eosinophilic Esophagitis (EoE)  
Major Goals: Assess Efficacy of Dupilumab in EoE patients.  
Role: Co-Investigator

**COMPLETED SUPPORT:**

5 R01 DK063158-15                      Khosla (PI)                      7/1/2018 – 6/30/2022  
NIH/NIDDK  
Role of Transglutaminase 2 in Celiac Sprue  
Major Goals: This project investigates the molecular mechanisms underlying Celiac Sprue  
Role: Collaborator

U19 AI104209-05                      Galli (PI)                      2/01/2013 – 1/31/2019  
NIH/NIAID  
Integrated Genomic and Functional Studies of Tolerance Therapy for Peanut Allergy; Functional and Molecular Changes in T cells and B Cells in Peanut Allergy and Oral Immunotherapy  
The major goals are to define the immune mechanisms associated with immune tolerance after oral immunotherapy.  
Role: Collaborator

SP-1011-002                      Nadeau (PI)                      9/1/2017- 9/30/2019  
Adare Pharmaceuticals  
FLUTicasone in Eosinophilic Esophagitis (FLUTE): A Randomized, Double-blind, Placebo-controlled, Dose-ranging, and Maintenance Study of APT-1011 in Subjects with Eosinophilic Esophagitis  
Major Goals: Assess efficacy of APT-1011 in Eosinophilic esophagitis  
Role: Co-Investigator

Scleroderma Research Foundation      Chung (PI)                      5/1/2012 – 4/30/2018  
Northern California Scleroderma Research Consortium  
The goal of this study is to develop a scientific research consortium to accelerate collaborative research on scleroderma between UCSF and Stanford  
Role: Collaborator



1. Bergmann A, Stein D, Geisler R, Hagenmaier S., Schmid B, **Fernandez N**, Schnell B, Nusslein-Volhard C. A gradient of cytoplasmic Cactus degradation establishes the nuclear localization gradient of the dorsal morphogen in *Drosophila*. *Mechanisms of Development*. 1996; 60(1):109-23.
2. **Fernandez NQ**, Grosshans J, Goltz JS, Stein D. Separable and redundant regulatory determinants in Cactus mediate its dorsal group dependent degradation. *Development*. 2001; 128(15):2963-74.
3. **Fernandez NQ**. Control of *drosophila* Embryonic Dorsal-Ventral Polarity by the Cactus Protein. Thesis Dissertation, 2002.
4. Moss AC, **Fernandez-Becker N**, Jo Kim KJ, Cury D, Cheifetz AS. The impact of infliximab infusion reactions on long-term outcomes in patients with Crohn's disease. *Alimentary Pharmacology Therapeutics*. 2008; 28(2):221-7.
5. **Fernandez-Becker NQ**, Moss AC. *In silico* analysis of T-bet activity in peripheral blood mononuclear cells in patients with inflammatory bowel disease (IBD). *In silico Biology*. 2009; 9 (5-6):355-63.
6. Moss AC, Kim KJ, **Fernandez-Becker N**, Cury D, Cheifetz AS. Impact of concomitant Immunomodulator use on long-term outcomes in patients receiving scheduled maintenance infliximab. *Digestive Disease Science*. 2010; 55(5): 1413-20
7. Han A, Newell E, Glanville J, **Fernandez-Becker N**, Khosla C, Chien Y, Davis M. Dietary gluten triggers concomitant activation of CD4<sup>+</sup> and CD8<sup>+</sup> αβ T cells and γδ T cells in celiac disease. *PNAS, USA*. 2013; 10(6):13073-8.
8. Valenzuela A, Li S, Becker LS, **Fernandez-Becker NQ**, Khanna D, Nguyen L, Chung L. Intestinal pseudo-obstruction in patients with systemic sclerosis: an analysis of the Nationwide Inpatient Sample. *Rheumatology* 2016; 55(4):654-8.
9. Zikos, TA, Pan J, Limketkai, B, Banerjee D, **Fernandez-Becker N**. Efficacy of Video Capsule endoscopy in the Management of Suspected Small bowel bleeding in patients with continuous flow Left Ventricular Assist Devices. *Gastroenterology Res*. 2017 10(5):280-287
10. Shields, HM, **Fernandez-Becker, NQ**, Flier SN, Vaughn BP, Tukey MH, Pelletier SR, Horst DA. Volunteer patients and small groups contribute to abdominal examinations's success. *Adv Med Educ Pract*. 2017;8:721-729
11. Zikos, TA, Clarke JO, Triadafilopoulos G, Regalia KA, **Fernandez-Becker NQ**, Nandwani MC, Nguyen LA. A Positive Correlation between Gastric and Esophageal Dysmotility suggests common Causality. *Dig Dis Sci*. 2018
12. Triadafilopoulos G, Zikos T, Regalia K, Sonu I, **Fernandez-Becker NQ**, Nguyen L, Nandwani MCR, Clarke JO. Use of Esophageal pH Monitoring to Minimize Proton-Pump inhibitor Utilization in Patients with Gastroesophageal Reflux Symptoms. *Dig Dis Sci*. 2018 63(10):2673-2680



13. Wright, B, **Fernandez-Becker NQ**, Kambham, N, Purington, N, Tupa, D, Zhang, W, Rank, M, Hirohito K, Shim, K, Bunning, B, Doyle, A, Jacobsen E, Boyd, S, Tsai, M, Holden, M, Manohar, M, Galli, S, Nadeau, K, Chinthrajah RS. Baseline Gastrointestinal Eosinophilia is Common in Oral Immunotherapy Subjects with IgE Mediated Peanut Allergy. *Front. Immunol.* 2018 9;2624
14. Wosen JE, Iltad-Minnihan A, Co JY, Jiang W, Mukhopadhyay D, **Fernandez-Becker NQ**, Kuo CJ, Amieva MR, Mellins ED. Human Intestinal Enteroids Model MHC- II in the Gut Epithelium. *Front. Immunol.* 2019 10: 1970
15. Gottfried-Blackmore, Adler EP, **Fernandez-Becker N**, Clarke J, Habtezion A, Nguyen L. Open Label pilot study: Non-invasive vagal nerve stimulation improves symptoms and gastric emptying in patients with idiopathic gastroparesis. *Neurogastroenterol Motil.* 2020 Apr;32(4):e13769. doi: 10.1111/nmo.13769. Epub 2019 Dec 5. PMID: 31802596
16. Hoh, RA, Joshi SA, Lee JY, Martin BA, Varma S, Kwok S, Nielsen SCA, Nejad P, Haranguchi EM, Dixit PS, Shthanandan SV, Roskin KM, Zhang W, Tupa D, Bunning BJ, Manohar M, **Fernandez-Becker, NQ**, Khambam, N West RB, Hamilton RG, Tsai M, Galli SJ, Chinthrajah RS, Nadeau KC, Boyd SD. Origins and clonal convergence of gut-resident IgE+ B cells in human peanut allergy. *Sci Immunol.* 2020 5(45)
17. Zikos TA, Nguyen L, Kamal A, **Fernandez-Becker N**, Regalia K, Nandwani M, Sonu I, Garcia M, Okafor P, Neshatian L, Grewal D, Garcia P, Triadafilopoulos G, Clarke JO. Marijuana, Ondansetron, and Promethazine are Perceived as Most Effective Treatments for Gastrointestinal Nausea. *Dig Dis Sci.* 2020 Mar 17. doi: 10.1007/s10620-020-06195-5. Online ahead of print. PMID: 32185665
18. Wright BL, **Fernandez-Becker NQ**, Kambham N, Purington N, Cao S, Tupa D, Zhang, W, Sindher SB, Rank MA, Kita H, Katzka DA, Shim KP, Bunning BJ, Doyle AD, Jacobsen EA, Tsai M, Boyd SD, Manohar M, Chinthrajah RS. Gastrointestinal Eosinophil Responses in a Longitudinal, Randomized Trial of Peanut Oral Immuno Therapy. *Clin Gastroenterol Hepatol* 2020 May 17: S1542-3565(20)30676-5
19. Triadafilopoulos G, Korzilius JW, Zikos T, Sonu I, **Fernandez-Becker NQ**, Nguyen L, Clarke JO. Ninety-Six Hour Wireless pHJ Study in Patients with GERD Shows that Restrictive Diet Reduces Esophageal Acid Exposure. *Dig Dis Sci.* 2020 Aug;65(8):2331-2344. doi: 10.1007/s10620-019-05940-9. Epub 2019 Nov 16.
20. Serling-Boyd, N, Chung M, Li SHufeng, Becker L, **Fernandez-Becker N**, Clarke J, Fiorentino Chung L. Gastric Antral Vascular Ectasia in Systemic Sclerosis: Association with Anti-RNA Polymerase III and Negative Anti-Nuclear Antibodies. *Semin Arthritis Rheum* 2020 Jul 6;50(5):938-942
21. Li J, Zaslavsky M, Su Y, J Sikora MJ, van Unen V, Christophersen A, Chiou S, Chen L, Ji<sup>8</sup>, Julie Wilhelmy X, McSween AM, Palanski BA, Dhondalay GKR,

Bhamidipati K, Pai J, Kipp LB, Dunn JE, Hauser SL, Oksenberg JR, Satpathy AT, RobinsonWH, Lars M. Steinmetz LM, Chaitan Khosla C, Utz PJ, Sollid LM, Heath JR, **Fernandez-Becker NQ**, Nadeau KC, Naresha Saligrama N, Davis MM. Human KIR<sup>+</sup> CD8<sup>+</sup> T cells target pathogenic T cells in Celiac disease and are active in other autoimmune disorders and COVID-19. In revision.

#### **OTHER PEER-REVIEWED PUBLICATIONS:**

22. Hang CT, Perumpail RB, Huang RJ, Fernandez-Pol S, **Fernandez-Becker NQ**. Colonic plasmacytomas: a rare complication of plasma cell leukemia. *Endoscopy* 2015; 47(S 01): E77-E78
23. Clarke JO, **Fernandez-Becker NQ**, Regalia KA, Triadafilopoulos G. Baclofen and Gastroesophageal reflux disease: Seeing the forest through the trees. *Clin Transl Gastroenterol*. 2018 9(3):137
24. Li, A , Cholankeril G, Berry GJ, MD, **Fernandez-Becker NQ**. An Unexpected Colonic Mass: An Amobema. *AM J Gastroenterol* 2018 Oct 17
25. Gubatan J, Triadafilopoulos G, **Fernandez-Becker NQ**. Double Threat: Interplay of Celiac Disease with Inflammatory Bowel Disease. *Dig Dis Sci*. 2019 Dec 11
26. Farber ON, Weingarden A, Lee C, Braxton DR, Bingham D, Scott G, **Fernandez-Becker N**, Goff D, Shelton A, Kin C. Not in the Same Vein: Inflammatory Bowel Disease, Malignancy and Enterocolic Lymphocytic Phlebitis. *Dig Dis Sci*. 2020 Jun 27. doi: 10.1007/s10620-020-06425-w. Online ahead of print. PMID: 32594463

#### **INVITED REVIEW ARTICLES AND BOOK CHAPTERS:**

1. **Fernandez-Becker NQ**, Moss AC. Improving delivery of aminosalicylates in ulcerative colitis: effect on patient outcomes. *Drugs*. 2008; 68(8):1089-103.
2. **Fernandez-Becker NQ**, Jacqueline Wolf. Pregnancy and Luminal GI diseases. *Practical Gastroenterology and Hepatology*, Lead Editor Nicholas Talley, MD, PhD. 2010.
3. **Fernandez-Becker, NQ**, Raja S, Scarpignato C, Lynch KL, Ahuja NK, Horsley-Silva JL. Eoe: Updates on Key Unanswered Questions. *Ann N Y Acad Sci*. 2020 Aug 6
4. Periyakoil VJ, **Fernandez-Becker NQ**, Streett S. Palliative Care Medicine in Patients with Advance Gastrointestinal and Hepatic Disease. *Sleisenger and Fordtran's*

Gastrointestinal and Liver Disease 11<sup>th</sup> Edition. 2020. Mark Feldman & Lawrence S. Friedman & Lawrence J. Brandt. Elsevier Publisher

5. Clarke JO, Ahuja NK<sup>2</sup> **Fernandez-Becker NQ**, Gregersen H, Kamal AN, Khan A, Lynch KL, Vela MF. The Functional Lumen Imaging Probe in Gastrointestinal Disorders: the Past, the Present & the Future. Ann NY Acad Sci. 2020 Aug 19
6. Rieder E, **Fernandez-Becker NQ**, Sarosiek J, Guillaume A, Azagury, DE, Clarke JO: physiology and diagnosis. Ann NY Acad Sci. 2020. Accepted.

## ABSTRACT PRESENTATIONS AT NATIONAL/INTERNATIONAL SCIENTIFIC MEETINGS

### Oral Presentations:

1. Palanski B, Hilmer A, Weng N, Zhang L, Fall L, Elias J, **Fernandez-Becker NQ**, Khosla C. Identification of Immunotoxic Peptides From Dietary Wheat in Human Urine. Digestive Disease Week 2019. San Diego, California.

### Poster Presentations:

1. **Fernandez, NQ**, Goltz JS, Stein DS. IκB Kinase Target Motif Region of Cactus is Dispensable for its Regulation. 41<sup>st</sup> Annual Drosophila Research Conference. Pittsburgh, Pennsylvania
2. **Fernandez-Becker N**, Moss AC. In silico analysis of T-bet expression in peripheral blood mononuclear cells in patients with inflammatory bowel disease (IBD). Digestive Disease Week 2008. San Diego, California.
3. Moss AC, Kim KJ, **Fernandez-Becker N**, Cury D, Cheifetz AS. Long-term outcome in infliximab recipients are independent of concomitant immunomodulator use in patients with Crohn's disease. Digestive Disease Week 2008. San Diego, California
4. **Fernandez-Becker N**, Kim KJ, Cury D, Cheifetz AS, Moss AC. The natural history of infusion reactions in infliximab recipients. Digestive Disease Week 2008. San Diego, California.
5. Garrett Lawlor, Awais Ahmed, **Nielsen Fernandez-Becker**, Aiping Bai, Dusan Hanidziar, Adam Cheifetz, Simon Robson, Alan C Moss. Lymphotoxin-beta expression predicts response to anti-TNF therapy in active Crohn's disease. Gastroenterology, Digestive Disease Conference 2011. Chicago, Illinois.
6. Shields H., **Fernandez-Becker N**, Flier S, Clarke P, Vaughn B, Tukey M, Kelsey P, O'Farrell P, Blanco P, Kapple S, Sepe P, Berzin T, Magge S, Ketwaroo A, Xavier-Depina F, Pelletier S, Horst D. Volunteer . Patients, Small Groups and Mandatory

Faculty Development are Key Elements for Abdominal Examination's Teaching Excellence over a Five Year Period. Digestive Disease Conference. Chicago, Illinois.

7. Valenzuela A, Li S, Becker L, **Fernandez-Becker N** Khanna D, Nguyen L, Chung L. Intestinal pseudo-obstruction in patients with Systemic Sclerosis: an analysis of the Nationwide Inpatient Sample. American College of Rheumatology Annual Meeting. Boston, Massachusetts.
8. Pan J, Zikos T, Chang M, Limketkai B, Banerjee D, **Fernandez-Becker, NQ**. Outcomes of endoscopic procedures on patients with Left-Ventricular Assist Devices [LVADs]: experiences from a single-center retrospective case series Digestive Disease Week 2017. Chicago, Illinois.
9. Mehta BK ,Franks JM, Cai G, Toledo DM, Wood TA, Archambault KA, Kosarek NN, Kolstad KD, Stark M, Valenzuela A, Fiorentino D, **Fernandez-Becker N**, Becker L, Nguyen L, Clarke J, Boin F, Wolters P, Chung L, Whitfield ML. Multi-Organ RNA-Sequencing Of Patients With Systemic Sclerosis (SSc) Finds That Intrinsic Subsets Are Conserved Across Organ Systems. American College of Gastroenterology 2017 Annual Meeting. San Diego, California.
10. Zikos T, Nguyen L, **Fernandez-Becker N**, Regalia K, Nandwani M, Garcia M, Okafor P, Sonu I Clarke J. Patient reported anti-emetic efficacy in a tertiary academic practice: Which anti-nausea medications do our patients feel work best? Federation of Neurogastroenterology and Motility Conference 2018. Amsterdam, Netherlands.
11. Zikos T, Sonu I, Triadafilopoulos G, Regalia K, Nandwani M, Nguyen L, **Fernandez-Becker N**, Clarke J. A low proximal esophageal basal impedance does not predict the presence of extra-esophageal manifestations of gastrointestinal reflux disease. Federation of Neurogastroenterology and Motility Conference 2018. Amsterdam, Netherlands.
12. Triadafilopoulos G, Korzilius J, Zikos T, Kamal A, Regalia K, Sonu I, **Fernandez-Becker NQ**, Nguyen L, Clarke J. Prolonged (96 H) Wireless Ambulatory Esophageal Ph Study in Patients Presenting with GER Symptoms Under Different Dietary conditions: A Novel, Practical Concept to Minimize PPI Use. Digestive Disease Week 2019. San Diego, California.
13. Zikos T, Nguyen L, Kamal A, **Fernandez-Becker NQ**, Regalia K, Nandwani M, Sonu I, Garcia M, Okafor P, Neshatian L, Grewal D, Garcia P, Clarke J. Which Anti-Nausea Therapies Do Patients Believe Work Best? A Patient Reported Efficacy Study. Digestive Disease Week 2019. San Diego, California.
14. Gottfried A, Poon Adler E, **Fernandez-Becker N**, Clarke J, Habtezion A, Nguyen L. Transcutaneous Vagal Nerve Stimulation Improves Symptoms and Gastric Emptying

in Patients with Idiopathic Gastroparesis. Digestive Disease Week 2019. San Diego, California.

15. Gottfried A, Namkoong H, Poon Adler E, **Fernandez-Becker N**, Clarke J, Habtezion A, Nguyen L. Immune Profiling of the Human Gastric Mucosa in Health and Gastroparesis. Digestive Disease Week 2019. San Diego, California

**COMMUNITY SERVICE:**

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|----------|---|
| 12/ 2012 | Guest on KQED National Public Radio show Forum “Going Gluten-Free”<br><a href="http://www.kqed.org/a/forum/R201212071000">http://www.kqed.org/a/forum/R201212071000</a>   |
| 12/2015  | Interviewed by PBS Newshour aired 12/28/15 segment titled “Is it really gluten free”. <a href="http://www.pbs.org/newshour/bb/is-it-really-gluten-free-you-could-soon-test-it-table-side/">http://www.pbs.org/newshour/bb/is-it-really-gluten-free-you-could-soon-test-it-table-side/</a> |
| 07/2017  | Exhibitor in Expo at the Annual Professional Soccer San Jose Earthquakes vs Los Angeles Galaxy at Stanford Stadium  |
| 11/2017  | Exhibitor, Gluten Free Allergy Free Expo, San Mateo, California   |
| 10/2018  | Invited Panel Discussant, First Generation Health Professionals at Dia de los Muertos Conference at Stanford  |
| 6/2020   | Stanford Medicine Digestive Health Series. Eating right: Thrive Well with the Gluten Free Diet Webinar  |