Curriculum Vitae for:

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Place of Birth Baltimore, Maryland

Timee of Birth	Buttinote, Maryland	
Education and Clinical Training	1967	Bachelor of Science in Psychology, Minor – Chemistry University of Maryland
	1971	Doctor of Medicine, University of Maryland, School of Medicine
	1971 – 1972	Internship – Straight Medicine University of Chicago Hospital and Clinics
	1972 – 1974	Residency – Straight Medicine University of Chicago Hospital and Clinics
	1974 – 1976	Fellowship in Gastroenterology Cleveland Clinic Foundation
Credentials	1966	Psi Chi National Psychology Honorary Society
	1974	American Board of Internal Medicine Board Certified - Internal Medicine
	1977	American Board of Internal Medicine Board Certified – Gastroenterology
Licensure	1974	Licensed in the State of Ohio
Work Experience	1976 - Present	Private Practice Gastroenterology Associates of Cleveland, Incorporated
Hospital Affiliations	2001 – Present	Marymount Hospital, Cleveland Clinic Health System
	1976 – Present	Hillcrest Hospital, Cleveland Clinic Health System
Academic Appointment	1976 - 1990	Clinical Instructor in Medicine, Case Western Reserve University School of Medicine

1971

Diplomat, National Board of Medical Examiners

Professional Affiliations 1976 – Present American Society of Gastrointestinal Endoscopy

1976 – Present American Gastroenterological Association
 1993 – Present American College of Gastroenterology

Clinical Research (> than 15 years' experience, protocols below since 1997):

- Multicenter Randomized, Double Blind, Placebo-Controlled Evaluation of Healing and Relapse Rates
 Following Oral GRxxxxx in Combination with Clarithromycin Compared to GRxxxxx, Clarithromycin,
 and Placebo in Patient with Duodenal Ulcer.
- Multicenter Randomized, Double Blind, Placebo-Controlled Evaluation of Healing and Relapse Rates
 Following Oral GRxxxxx in Combination with Clarithromycin Compared to GRxxxxx, Clarithromycin,
 and Placebo in Patient with Gastric Ulcer.
- Double Blind, Randomized, Placebo-Controlled Study of The Safety and Efficacy of Three Dose Regimens of Oral XXXXX in the Treatment of Ulcerative Colitis.
- Twelve week-randomized, double blind, Placebo controlled, Multicenter Study of GRxxxxx in Female Subjects with Irritable Bowel Syndrome (IB.S.)
- Intron A & Ribavirin for Treatment of Patients with Interferon Refractory or Interferon-Relapsed Chronic Hepatitis C.
- Intron A & Ribavirin for Treatment of Patients with Chronic Hepatitis C, not previously treated with Intron A or Ribavirin.
- Double Blind, Placebo-Controlled, Randomized, Multicenter Study to Investigate the Efficacy and Safety of XXX in Non-Constipated Patients with Established Irritable Bowel Syndrome, ADDENDUM
 1: An Open Labeled, Multi-Center Study to Investigate the Long Term Safety of XXX in Non-Constipated Patients with Established Irritable Bowel Syndrome
- Prospective, Randomized, Double-Blind, 3-arm Study to Compare the Efficacy and Safety of Celecoxib
 vs. Placebo in Reducing the Occurrence of New Adenomatous Polyps in the Colo-Rectum at Year 1,
 Year 3 and after Endoscopic Polypectomy
- A Clinical Study to Determine the Safety of GRxxxxx in Subjects with Crohn's Disease
- TREAT Registry for Crohn's patients
- A Randomized, Double-Blind, Placebo-Controlled Multicenter Study to Assess the Efficacy, Safety and Tolerability of XXX 2 mg BID and 5 mg BID Given Orally vs. Placebo in Patients with Chronic Constipation
- Prevention of Sporadic Colorectal Adenoma's with XXX

- Multi-Center, Open-Label, Safety Study of Oral XXX for the Treatment of Occasional Constipation
- Study of the Safety and Efficacy of XXX Treatment to Reduce the Growth of Sporadic Adenomatous Colorectal Polyps at Year One in Subjects with Intermediate Risk of Developing Adenomatous Polyps and Colorectal Cancer
- A Double-Blind, Placebo-Controlled, Randomized, Multicenter Study to Investigate the Safety and Efficacy of 2 mg TID of XXX over 12 Weeks Followed by a 4-week Re-randomized Treatment Period in Diarrhea-Predominant Irritable Bowel Syndrome Subjects
- A Phase III 48-Week Open-Label Safety Study of Oral XX-XXXX for the Treatment of Occasional Constipation
- A Phase III, multi-national, multi-centre, double-blind, placebo-controlled, parallel group, 26 week study to assess the safety and efficacy of the humanised anti-TN PEG conjugate, XXXXXX, 400 mg, (dosed at Weeks 0, 2, 4 then 4-weekly to Week 24), in the treatment of patients with active Crohn's disease
- A Phase III, multi-national, multi-centre, open label, 52 week safety study to assess the safety of chronic therapy with the humanised anti-TNF PEG conjugate XXXXXX 400 mg sc, (dosed 4-weekly to Week 48), in the treatment of patients with active Crohn's disease who have previously completed studies XXXX-031 or XXXX-032
- A Phase III, multi-national, multi-centre, open label, 52 week safety study to assess the safety of reexposure after a variable interval and subsequent chronic therapy with the humanised anti-TNF PEG conjugate XXXXXX 400 mg sc (Dosed at weeks 0, 2 and 4 then 4-weekly to Week 48), in the treatment of patients with active Crohn's disease who have previously been withdrawn from study XXXXXX-031 or XXXXXX-032 due to an exacerbation of Crohn's disease
- Irritable Bowel Syndrome Longitudinal Outcomes Study (ILOS)
- A Multi-Center, Randomized, Double-Blind, Placebo-Controlled Study of the Human Anti-TNF Monoclonal Antibody XXXXXXXX for the Induction of Clinical Remission in Subjects with Moderate to Severe Crohn's Disease who Have Lost Response or are Intolerant to Infliximab
- A Multi-Center, Open-Label Study of the Human Anti-TNF Monoclonal Antibody XXXXX to Evaluate the Long-term Safety and Tolerability of Repeated Administration of XXXXXX in Subjects with Crohn's Disease
- A Phase 3 Study to Evaluate the Efficacy and Safety of XXX-XXX (60 mg QD and 90 mg QD)
 Compared to Placebo on Symptom Relief in Subjects with Symptomatic Non-Erosive Gastroesophageal Reflux Disease (GERD)
- A Phase 3 Study to Evaluate the Efficacy and Safety of XXX-XXXXX (60 mg QD and 90 mg QD) and an Active Comparator, Lansoprazole (30 mg QD) on healing of Erosive Esophagitis"
- A Phase 3 Study to Evaluate the Safety and Efficacy of XXX-XXXX (60 mg QD and 90 mg QD)
 Compared to Placebo in Maintenance of Healing in Subjects with Healed Erosive Esophagitis

- A Phase 3, Open-Label Study to Assess the Long-Term Safety of XXX-XXXX (60 mg QD and 90 mg QD)
- Multi-center, Randomized, Double-blind, Placebo-Controlled Trial of XXXX Tablets in the Treatment of Mild to Moderate Active Crohn's Disease in Adults
- Multi-center, Randomized, Blinded, Placebo Controlled, Cross-Over Study to Investigate the Safety and Tolerability of Intravenous XXX-XX in Patients with Iron Deficiency Anemia
- A 12-Week, Multi-center, Double-Blind, Randomized Efficacy and Safety Study of XXXXXXXXXXX for the Treatment of Constipation-Predominant Irritable Bowel Syndrome
- An Open-Label Safety Study of XXXXXXXX for Constinution-Predominant Irritable Bowel Syndrome
- A Multi-center, Open-Label Treatment Protocol of the Human Anti-TNF Monoclonal Antibody XXXXXXXXX in Patients with Moderate to Severe Crohn's Disease with Previous Exposure to Infliximab
- Qualitative Study of Patients with Gastroesophageal Reflux Disease
- A Multicenter, Randomized, Double-blind, Placebo-controlled study of the Human Anti-TNF Monoclonal Antibody XXXXXXXXXX for the Induction and Maintenance of Clinical Remission in Subjects with Moderately to Severely Active Ulcerative Colitis
- A phase IV multi-center, open-label study to assess clinical recurrence related to compliance with treatment with XXX mesalamine 2.4g/day given once daily for the maintenance of quiescent ulcerative colitis.
- A 5 year registry study of XXXXX in subjects with moderately to severely active Crohn's disease
- A phase 2B, multi-center, randomized, double-blind, placebo controlled, dose ranging study comparing the efficacy, safety, and pharmacokinetics of intravenous infusions of XXX-XXX vs. placebo in subjects with moderately to severely active Crohn's disease.