

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
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NAME Michelle Anderson, MD		POSITION TITLE Assistant Professor	
eRA COMMONS USER NAME (credential, e.g., agency login) maaander			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Wayne State University, Detroit, MI	BS	05/1989	Biology
Wayne State University Sch. of Med., Detroit, MI	MD	6/1993	Medicine
University of Michigan, Ann Arbor, MI	MS	8/2005	Clin Res & Statistics

EMPLOYMENT

06/1993-06/1996	Resident, Department of Internal Medicine University of Michigan Medical Center, Ann Arbor, MI
07/1996-06/1999	Fellow, Division of Gastroenterology University of Michigan Medical Center, Ann Arbor, MI
07/1999-06/2003	Lecturer, Department of Internal Medicine, University of Michigan, Ann Arbor, MI University of Michigan Medical Center, Ann Arbor, MI
07/2004-present	Assistant Professor University of Michigan Medical Center, Ann Arbor, MI

HONORS

1989-1993	Laura E. Timmis Scholarship (Merit Scholarship)
1989-1990	Class Officer, Medical School
1990-1991	Student Senate Executive Board Secretary, Medical School
1991-1992	Student Senate Executive Board, Vice-President, Medical School
1991-1993	Alpha Omega Alpha
1993	Graduated Summa Cum Laude
1996	Student Abstract Award – American Gastroenterological Association
1996	Young Investigator Award – American Motility Society
1999	Fellow Research Award, 2 nd Place, State Competition, Michigan Society of Gastrointestinal Endoscopy, “EUS in the localization of pancreatic neuroendocrine tumors”
2000	Top Ten Instructor in M2 Small Group Sessions for Winter Term
2002	Young Investigator Award, The National Pancreas Foundation
2006	Outstanding Teaching Award, University of Michigan Graduating GI Fellows

MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

1990-	Alpha Omega Alpha
1999-	American Gastroenterological Association
2000-	American College of Gastroenterology
2000-	American Society for Gastrointestinal Endoscopy
2001-	North American Pancreatic Study Group, Chair Education Committee
2005-	Pancreatic Cancer Collaborative Registry, Executive Steering Committee
2005-	Editorial Board, Gastrointestinal Endoscopy
2005-	Chair, Educational Committee, North American Pancreatic Study Group
2006-	Diversity Committee, American Society of Gastrointestinal Endoscopy
2006-	Standards of Practice Committee, American Society of Gastrointestinal Endoscopy
2007-	Chair, Executive Committee, Pancreatic Cancer Collaborative Registry

PUBLICATIONS (nee Jednak)

ORIGINAL RESEARCH & THEORETICAL TREATISES

1. Liu L, **Anderson M**, Patel S, Maribao V, Ram J. Amiloride inhibits contraction and serotonin modulation of Aplysia muscle. *Comp Biochem Physiol* 96(1): 71-76, 1990.
2. Ram JL, Judge K, **Jednak* MA**. Antagonists of cholinergic and serotonergic responses of Aplysia buccal muscle. *Comp Biochem Pharmacol Toxicol Endocrinol* 107(2): 225-242, 1994.
3. Scheiman JM, **Jednak* MA**. Innovations in pancreatic evaluation: Endoscopic ultrasound and magnetic resonance imaging. *Pract Gastroenterol* 22(7): 17-28, 1998.
4. **Jednak* MA**, Nostrant TT. Screening for colorectal cancer. *Primary Care Clinics in Office Practice* 25(2): 293-308, 1998.
5. **Jednak* MA**, Shadigian E, Hooper F, Woods M, Owyang C, Hasler WL. Effects of nutrient composition and caloric content on nausea and gastric slow wave rhythm in pregnancy. *Am J Physiol* 277:G855-86, 1999.
6. **Anderson MA**, Carpenter S, Thompson NW, Nostrant TT, Elta GH, Scheiman JM. Endoscopic ultrasound is highly effective and directs management in patients with neuroendocrine tumors of the pancreas. *Am J Gastroenterology* 95(9):2271-2277, 2000.
7. Curro D, Yoo JH, **Anderson MA**, Song I, Del Valle J, Owyang C. Molecular cloning of the orphanin FQ receptor gene and differential tissue statement of splice variants in rat. *Gene* 2001, 266:139-145, 2001.
8. **Anderson MA**, Scheiman JS. Initial experience with an electronic radial array echoendoscopes: A randomized comparison with a mechanical sector scanning echoendoscopes in humans. *Gastrointest Endosc* 56:571-577, 2002.
9. **Anderson MA**, Scheiman JS. Non-mucinous Cystic Pancreatic Neoplasms. *Gastrointest Endosc Clin North America* 12:769-779, 2002.
10. Gorelick A, Barnett J, Chey W, **Anderson M**, Elta G. Botulinum toxin injection after biliary sphincterotomy. *Endoscopy* 36(2): 170-3, 2004.
11. Menees SB, **Anderson MA**, Chensue SW, Moseley RH. Hepatic Injury in a patient taking rosiglitazone. *J Clin Gastroenterol* 39(7):638-40, 2005.
12. Patwa TH, Zhao J, **Anderson MA**, Simeone DM, Lubman DM. Screening of glycosylation patterns in serum using natural glycoprotein microarrays and multi-lectin fluorescence detection. *Anal Chem* 78(18):6411-6421, 2006.
13. Zhao J, Simeone DM, Heidt D, **Anderson MA**, Lubman DM. Comparative Serum Glycoproteomics Using Lectin Selected Sialic Acid Glycoproteins with Mass Spectrometric Analysis: Application to Pancreatic Cancer Serum. *J Proteome Res* 5(7): 1792-1802, 2006.
14. Simeone DM, Baoan J, Banerjee M, Argumugam T, Dawei L, **Anderson MA**, Bamberger AM, Greenson J, Brand RE, Ramachandran V, Logsdon CD. CEACAM1, a Novel Serum Biomarker for Pancreatic Cancer, *Pancreas* 34(4): 436-443, 2007.

15. Pompa RL, **Anderson MA**. The “super-endosonographer”: can we and should we do it all? *Gastrointest Endosc* 65:958-959, 2007.
16. Zhao J, Patwa TH, Qiu W, Shedden K, Hinderer R, Misek DE, **Anderson MA**, Simeone DM, Lubman DM. Glycoprotein microarrays with multi-lectin detection: unique lectin binding patterns as a tool for classifying normal, chronic pancreatitis and pancreatic cancer sera. *J Proteome Res* 6:1864-1874, 2007.
17. American Society for Gastrointestinal Endoscopy. Role of Endoscopy in the management of GERD. *Gastrointest Endosc* 66(2):219-224, 2007.
18. American Society for Gastrointestinal Endoscopy. Role of EUS. *Gastrointest Endosc* 66(3):425-434, 2007.
19. Rubenstein JH, Scheiman JM, **Anderson MA**. A Clinical and Economic Evaluation of Endoscopic Ultrasound for Patients at High Risk for Familial Pancreatic Adenocarcinoma, *Pancreatology* 7:514-525, 2007.
20. Chen J, **Anderson M**, Misek D, Simeone DM, Lubman DM. Characterization of apolipoprotein and apolipoprotein precursors in pancreatic cancer serum samples via a two-dimensional liquid chromatography and mass spectrometry. *J Chromatogr* 2007;1162:117-25.
21. Ikenberry SO, Harrison ME, Lichtenstein D, Dominitz JA, **Anderson MA**, et al. The role of endoscopy in dyspepsia. *Gastrointest Endosc* 2007;66:1071-5.
22. ASGE Standards of Practice Committee, Lee KK, **Anderson MA**, et al. Modifications in endoscopic practice for pediatric patients. *Gastrointest Endosc* 2008;67:1-9.
23. Standards of Practice Committee, Dominitz JA, Ikenberry SO, **Anderson MA**, et al. Renewal of and proctoring for endoscopic privileges. *Gastrointest Endosc* 2008;67:10-6.
24. Lee CJ, Scheiman J, **Anderson MA**, et al. Risk of malignancy in resected cystic tumors of the pancreas ≤ 3 cm in size: is it safe to observe asymptomatic patients? A multi-institutional report. *J Gastrointest Surg* 2008;12:234-42.
25. Faca VM, Song KS, Wang H...**Anderson MA** (17/28)...Hanash SM. A Mouse to Human Search for Plasma Proteome Changes Associated with Pancreatic Tumor Development. *PLoS Med* 2008;5(6):e123. doi:10.1371/journal.pmed.0050123. PMID: PMC2504036.
26. Whitcomb DC, Yadav D, Adam S...**Anderson M** (6/28)...North American Pancreatic Study Group. Multicenter approach to recurrent acute and chronic pancreatitis in the United States: The North American Pancreatitis Study 2 (NAPS2). *Pancreatology* 2008;8:520-31.
27. Muddana V, Lamb J, Greer J,...**Anderson M** (7/10)...Whitcomb DC. Association between calcium sensing receptor (*CASR*) gene polymorphisms and chronic pancreatitis in a US population: Role of serine protease inhibitor Kazal 1 type and alcohol. *World J Gastroenterol* 2008;14:4486-4491.
28. Lazarev M, Lamb J, Barmada MM...**Anderson MA** (4/10)...Whitcomb DC for the NAPS2 Consortium. Does the pain-protective GTP cyclohydrolase haplotype significantly alter the pattern or severity of pain in humans with chronic pancreatitis? *Molecular Pain* 2008, 4:58. PMID: PMC2626574.
29. Brand RE, Greer JB, Zolotarevsky E...**Anderson MA** (11/11). Pancreatic cancer patients who smoke and drink are diagnosed at younger ages. *Clin Gastroenterol Hepatol* 2009;7:1007-12. PMID: PMC2736339.

GRANT SUPPORT

Current

K23 DK082097 (PI: Anderson)

04/15/08 – 3/31/13

NIH

Validation Study of Select Biomarkers for the Diagnosis of Pancreatic Cancer

This study seeks to determine whether a select panel of biomarkers can detect pancreatic neoplasia at an early stage.

R21 AA017271 (PI: DiMagno)

07/10/08-06/30/10

NIH

Pioglitazone Therapy for Endocrine and Exocrine Disease in Alcoholic Pancreatitis

This study will test two hypotheses 1) that endocrine and exocrine dysfunction are reversible in patients with mild-moderate alcoholic CP 2) that pioglitazone will improve pancreatic exocrine function and structure, plus quality of life and reduce pain.

Role: Co-investigator

Recent

Univ of Pittsburgh (PI: R. Brand)

02/01/08 – 01/31/09

NIH

EDRN Pancreatic Cancer Reference Set

This study will collect several data elements which will be entered into web-based data storage and processing unit managed by the Pancreatic Cancer Collaborative Registry.

Role: Co-investigator

HHS/NIH K12 RR017607-01 (PI David Schteingart)

01/01/07 - 12/31/07

Michigan Mentored Clinical Scholars Program

A specialized program providing salary support to train physicians and other healthcare professionals in clinical research which augments the K30 Training Program in Clinical Research. The program involves courses in biostatistics, specialized clinical research seminars, a mentored clinical research project and monthly discussions of research exposure. Scholars are also instructed on federal regulation of clinical research and IRB requirements.

Role: Clinical Scholar

American Society of Gastrointestinal Endoscopy

07/01/04 - 06/30/06

Olympus Endoscopic Research Career Development Award

“Development and Application of Select Biomarkers in the Diagnosis and Management of Pancreatic Cancer”

Principal Investigator: Michelle A. Anderson

This project determined the accuracy of select biomarkers for the detection of pancreatic cancer and compared the sensitivity of the biomarkers to that of standard cytology for the diagnosis of pancreatic cancer.

American Society of Gastrointestinal Endoscopy

01/01/03 – 12/31/05

Endoscopic Research Award

“Detection of Selected Biomarkers Using Endoscopic Ultrasound in the Diagnosis of Pancreatic Cancer: A Study of Feasibility and Clinical Application”

Principal Investigator: Michelle A. Anderson

This study tested the hypothesis that specific biomarkers overexpressed in patients with pancreatic cancer can be detected using EUS needles passed through the duodenal wall and into suspicious pancreatic masses under direct vision and that these same biomarkers can be detected using EUS guided fine needle aspiration.