#### CURRICULUM VITAE

**Date of Revision: July 8, 2017**

**Name:**

Joanna A. Gibson, M.D., Ph.D. (formerly Joanna A. Kaczynski)

**Education:**

1992-1996 B.S., University of Minnesota, Minneapolis, MN

1996-2004 M.D./Ph.D. , Mayo Clinic College of Medicine, Rochester, MN

**Career/Faculty Academic Appointments:**

2004-2008 Resident, Anatomic and Clinical Pathology, Brigham and Women’s Hospital, Boston, MA

2007 Chief Resident, Department of Pathology, Brigham and Women’s Hospital, Boston, MA

2008-2009 Fellow, Gastrointestinal and Liver Pathology, Department of Pathology, Brigham and Women’s Hospital, Boston, MA

2009 Clinical Instructor, Department of Pathology, Brigham and Women’s Hospital, Boston, MA

2009-2011 Assistant Professor, Department of Laboratory Medicine and Pathology, Mayo College of Medicine, Rochester, MN

2011-present Assistant Professor, Department of Pathology, Yale University School of Medicine, New Haven, CT

**Administrative Positions:**

2015-2016 Departmental Climate Committee

2015 Pathology Departmental Retreat Planning Committee

**Board Certification:**

2008 American Board of Pathology,Anatomic & Clinical Pathology

# **Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated With Yale:**

2015 13th OESO World Congress, Monte Carlo, Monaco, “Esophageal pathology: How should sloughing esophagitis be reported?”

2014 Annual Meeting, International Association of Pathology, Bangkok, Thailand, “Serrated polyps and polyposis”, Long Course #LC10-1: Hot Topics in GI Pathology

2014 Annual Meeting, American Society for Clinical Pathology, GIPS CME course, Tampa, FL, “Eosinophilic disorder of the Gastrointestinal tract”

2013 12th OESO World Congress, Paris, France, “Adenocarcinomas slightly above, slightly below and within the gastroesophageal junction: what are their specific sites of origin, and how can we tell?”

2013 12th OESO World Congress, Paris, France, “Molecular epidemiology of esophageal cancer: Molecular Markers: “predictive” vs. “prognostic” vs. “signaling”. What is the difference?”

2017 EASL Monothematic Conference on *Cholangiocytes in health and disease: from basic science to novel treatments,* Oslo, Norway, “Autoimmune hepatitis: Evaluation of specificity of various histological features and development of a modified scoring system”

2017 EASL Monothematic Conference on *Cholangiocytes in health and disease: from basic science to novel treatments*, Oslo, Norway, “Biliary micorhamartomas (Von-Meyenburg complexes) are frequently associated with intrahepatic and hilar cholangiocarcinomas in liver”

2017 14th OESO World Congress, Geneva, Switzerland, Hot topics in esophageal pathology: “What are the histologic esophageal manifestations of dermatogic diseases?”

2017 14th OESO World Congress, Geneva, Switzerland, Hot topics in esophageal pathology “How does the handling of resected esophagi for treated esophageal carcinoma differ from untreated carcinoma”

**Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated With Yale:**

2017 Annual Meeting, United Sates and Canadian Academy of Pathologists, San Antonio, TX, “Dysplasia in sessile serrated polyps is frequently encountered in patients meeting serrated polyposis WHO diagnostic criteria” Celli R and **Gibson J.**

2016 Annual Meeting, United Sates and Canadian Academy of Pathologists, Seattle, WA, “Immunohistochemical and Molecular Characterization of Colonic Sessile Serrated Adenomas/Polyps with Serrated Versus Intestinal Dysplasia”. Cenaj O, Odze R, Vyas M, **Gibson JA**

2016 Annual Meeting, United Sates and Canadian Academy of Pathologists, Seattle, WA, “Clinicopathologic and Outcome Study of Sessile Serrated Adenomas/Polyps with Serrated Versus Intestinal Dysplasia”. Cenaj O, Odze R, Vyas M, **Gibson JA**

2015 Annual Meeting, United Sates and Canadian Academy of Pathologists, Boston, MA, “Plasma Cell Paucity in the Gut Following Stem Cell Transplant”. Xu M, **Gibson J**

2015 Annual Meeting, Digestive Disease Week, Washington, DC, “Confocal Laser Endomicroscopy Features of Sessile Serrated Adenomas/Polyps”. Parikh ND, **Gibson J**, Nagar AB, Aslanian HR

2015 Annual Meeting, United Sates and Canadian Academy of Pathologists, Boston, MA, “Dysplasia in Sessile Serrated Polyps and Serrated Polyposis Syndrome: Clinocopathologic Characteristics”. Vyas M, **Gibson J**

2015 Annual Meeting, United Sates and Canadian Academy of Pathologists, Boston, MA, “Serrated Polyps in Lynch Syndrome Patients”. Patel N, **Gibson J**

2015 Annual Meeting, United Sates and Canadian Academy of Pathologists, Boston, MA, “Revisiting Colonic Polyposis in Resection Specimen: Increased Recognition of Serrated Polyposis Syndrome”. Gurung A, **Gibson J**

2015 Annual Meeting, United Sates and Canadian Association of Pathologists, Boston, MA, “Identification of Serrated Polyposis in a Large Patient Cohort Using WHO Diagnostic Criteria”. Celli R, **Gibson J**

2015 12th Annual Gastrointestinal Cancers Symposium, American Society Of Clinical Oncology, San Francisco, CA, “The Yale Gastrointestinal Cancer Biorepository: A comprehensive biospecimen and data resource for studying determinants of pancreatic ductal adenocarcinoma prognosis following curative-intent pancreaticoduodenectomy”. Gould Rothberg BE, Deminie C, Lazowski H, **Gibson JA**, Cha C, Lacy J, Hochster HS, Salem RR

2014 Annual Meeting, United Sates and Canadian Academy of Pathologists, San Diego, CA “Representative Sections Are Sufficient for Adequate Intraoperative Assessment of Gastric Margins in Most Gastrectomies”. Celli R, **Gibson J**

2013 Annual Meeting, United Sates and Canadian Academy of Pathologists, Baltimore, MD, “Fundic Gland Polyps with Dysplasia: Prevalence and Risk Factors”. Torrence D, Balakrishnan M, Yantiss R, Lagarde S, **Gibson J**, Jain D

2013 Annual Meeting, United Sates and Canadian Academy of Pathologists, Baltimore, MD, “Counting Colonic Mast Cells Is Not Diagnostically Useful in Patients with Chronic Diarrhea of Unknown Etiology”. Sethi A, Jain D, Chander B, Kinzel J, **Gibson J**, Schrader R, Hanson JA.

2012 Annual Meeting, Digestive Disease Week, San Diego, CA, “Increased Mucosal Mast Cells in Patients With Diarrhea-Predominant IBS”. Chander B, Kinzel J, Hanson JA, Ciarleglio M, **Gibson JA**, Deng Y, Jain D

2009 Annual Meeting, United Sates and Canadian Academy of Pathologists, Boston, MA, “MUC expression in hyperplastic and serrated colonic polyps: lack of specificity of MUC6. **Gibson JA**, Hahn HP and Odze RD.

2009 Annual Meeting, United Sates and Canadian Academy of Pathologists, Boston, MASessile serrated polyps with dysplasia: an immunohistochemical analysis of 51 Cases. **Gibson JA**, Hahn HP and Odze RD.

2007 Annual Meeting, United Sates and Canadian Academy of Pathologists, San Diego, CA. Decreased CK20 expression in MGMT-deficient colorectal carcinomas: evidence of a distinct phenotypic association. **Gibson JA**, Bailey GP, Redston M, and Hornick JL.

2002 Annual Meeting, American Pancreatology Association, Chicago, IL, Novel BTEB Transcription Factors Suppress Neoplastic Transformation Induced by the Potent Pancreatic Oncogene K-Ras. **Kaczynski J,** Fernandez-Zapico ME, Folch E, Delgado S, Urrutia R.

2002 European Pancreatic Club/International Association of Pancreatology MeetingHeidelberg, Germany, The Sp1-like Transcriptional Repressor BTEB3 Exhibits Tumor Suppressive and Anti-Proliferative Activities. **Kaczynski J,** Fernandez-Zapico ME, Urrutia R.

2002 European Pancreatic Club/International Association of Pancreatology MeetingHeidelberg, Germany BTEB3 and BTEB4 Expand the Repertoire of Repressors of the Carcinogen-Metabolizing CYP1A1 Gene Promoter in Pancreatic Cells. **Kaczynski J,** Conley A, Fernandez-Zapico ME, Zhang J-S, E, Delgado S, Urrutia R.

2001 Annual Meeting, American Pancreatology Association, Chicago, IL, The Sp1-like Protein BTEB3 Represses the Carcinogen-Metabolizing Enzyme CYP1A1 Gene Promoter by Interacting with the mSin3A-HDAC1 Corepressor Complex. **Kaczynski J,** Zhang J-S, E, Urrutia R.

2001 Annual Meeting, Digestive Disease Week, Atlanta, GA, A novel mechanism for the regulation of the carcinogen-metabolizing enzyme CYP1A1 gene promoter in pancreatic cells. **Kaczynski J,** Zhang J-S, E, Stroope A, Urrutia R.

2000Combined American Pancreatology Association/International Association of Pancreatology Meeting, Chicago, IL. BTEB3, a novel transcription factor isolated from the pancreas, represses the BTE site from the promoter of the Carcinogen-Metabolizing Enzyme CYP1A1 by competing with Sp1. **Kaczynski J** and Urrutia R.

2000Combined American Pancreatology Association/International Association of Pancreatology Meeting, Chicago, IL. Molecular mechanism underlying the regulation of gene expression in pancreatic cells by the Sp1-like transcription factor BTEB3. **Kaczynski J** and Urrutia R.

2000 Annual Meeting, Digestive Disease Week, San Diego, CA, BTEB3, a novel Sp1-like protein represses gene expression by a dual mechanism: direct repression and competition with the activator Sp1.**Kaczynski J** and Urrutia R.

1999 Annual Meeting, Digestive Disease Week, Orlando, FL, Cloning of a novel zinc finger transcription factor, NSLP1, expand the repertoire of Sp1-like protein expression in exocrine pancreatic cells. **Kaczynski J** and Urrutia R.

**Professional Service**

 ***United States and Canadian Academy of Pathology***

2012-2015 Reviewer, United States and Canadian Academy of Pathology Abstract Review Board, Liver Pathology

**Public Service**

2012-2015 Volunteer Tutor, New Haven Reads

2014-present Member, Annual Spelling Bee Planning Committee, New Haven Reads

## Bibliography:

## Peer-reviewed Original Research

1. Hedin KE, **Kaczynski JA,** Gibson MR, Urrutia R. Transcription factors in cell biology, surgery, and transplantation. Surgery 2000 Jul; 128(1): 1-5.
2. Zhang JS, Moncrieffe MC, **Kaczynski J**, Ellenrieder V, Prendergast FG, Urrutia R. A conserved alpha-helical motif mediates the interaction of Sp1-like transcriptional repressors with the corepressor mSin3A. Mol Cell Biol 2001 Aug; 21(15): 5041-9.
3. **Kaczynski J**, Zhang JS, Ellenrieder V, Conley A, Duenes T, Kester H, van Der Burg B, Urrutia R. The Sp1-like protein BTEB3 inhibits transcription via the basic transcription element box by interacting with mSin3A and HDAC-1 co-repressors and competing with Sp1. J Biol Chem 2001 Sep 28; 276(39): 36749-56.
4. **Kaczynski JA**, Conley AA, Fernandez Zapico M, Delgado SM, Zhang JS, Urrutia R. Functional analysis of basic transcription element (BTE)-binding protein (BTEB) 3 and BTEB4, a novel Sp1-like protein, reveals a subfamily of transcriptional repressors for the BTE site of the cytochrome P4501A1 gene promoter. Biochem J 2002 Sep 15; 366(Pt 3): 873-82.
5. Ellenrieder V, Zhang JS, **Kaczynski J**, Urrutia R. Signaling disrupts mSin3A binding to the Mad1-like Sin3-interacting domain of TIEG2, an Sp1-like repressor. EMBO J 2002 May 15; 21(10): 2451-60.
6. Yu H, **Gibson JA**, Pinkus GS, Hornick JL. Podoplanin (D2-40) is a novel marker for follicular dendritic cell tumors. Am J Clin Pathol 2007 Nov; 128(5): 776-82.
7. **Gibson JA**, Hornick JL. Mucosal Schwann cell "hamartoma": clinicopathologic study of 26 neural colorectal polyps distinct from neurofibromas and mucosal neuromas. Am J Surg Pathol 2009 May; 33(5): 781-7.
8. **Gibson JA**, Hahn HP, Shahsafaei A, Odze RD. MUC Expression in Hyperplastic and Serrated Colonic Polyps: Lack of Specificity of MUC6. Am J Surg Pathol. 2011 May; 35(5): 742-9.
9. Virk RK, Van Dyke AL, Finkelstein A, Prasad A, **Gibson JA**, Hui P, Theoharis CG, Carling T, Roman SA, Sosa JA, Udelsman R, Prasad ML. BRAFV600E mutation in papillary thyroid microcarcinoma: a genotype-phenotype correlation. Mod Pathol. 2013 Jan; 26(1): 62-70.
10. Viehmann Milam A, Maher S, **Gibson JA**, Lebastchi J, Ruddle N, Herold K, Bothwell A. A Humanized Mouse Model of Autoimmune Insulitis. Diabetes. 2014 Jan 29
11. Sethi A, Jain D, Roland B, Kinzel J, **Gibson J**, Schrader J, Hanson J. Performing Colonic Mast Cell Counts in Patients with Chronic Diarrhea of Unknown Etiology Has Limited Diagnostic Use. Archives of Pathology and Laboratory Medicine. 2015 Feb:139
12. Shen J, **Gibson J**, Schulte S, Khurana H, Farraye F, Levine J, Burakoff R, Cerda S, Coukos J, Qazi T, Srivastava A. Odze R, Clinical, Pathologic and Outcome Study of Serrated Polyps in IBD. Human Pathology. 2015 Oct;46(10):1548-56
13. Parikh N, **Gibson J,** Nagar A, Ahmed A, Aslanian H. Confocal Laser Endomicroscopy Features of Sessile Serrated Adenomas/Polyps. Endoscopy. *United European Gastroenterol J.* 2016 Aug;4(4):599-603
14. Boddupalli CS, Nair S, Gray SM, Nowyhed HN, Verma R, **Gibson JA,** Abraham C, Vasquez J, Hedrick CC, Dhodapkar KM, Flavell RA, Kaech SM and Dhodapkar MVSide population phenotype in quiescent human/murine tissue resident memory (TRM) T cells: Role of ABC transporters and NR4A1 in TRM biology. *Journal of Clinical Investigation.* 2016;126(10):3905-3916

**Chapters, Books, and Reviews**

1. **Kaczynski J**. Biochemical and Functional Characterization of a Subfamily of Sp1-like Transcriptional Repressors Displaying Potential Anti-Neoplastic Activities (PhD Thesis). Mayo Clinic College of Medicine, Mayo Graduate School, 2002.
2. Urrutia R, Conley AA, Ellenrieder V, **Kaczynski J**, DiMagno EP. Pancreatic cancer: cellular and molecular mechanisms. In: Bertino JR, editor. Encyclopedia of cancer. 2nd Edition. Volume 3. San Diego: Academic Press; 2002. p. 383-91.
3. **Kaczynski J**, Cook T, Urrutia R. Sp1- and Kruppel-like transcription factors. Genome Biol 2003; 4(2): 206.
4. Fernandez-Zapico ME, Bramati PS, Zakaria S, **Kaczynski JA**, Urrutia R. Fundamentals of transcription factors and their impact on pancreatic development and cancer. Pancreatology 2003; 3(4): 276-83.
5. Fernandez-Zapico ME, **Kaczynski JA,** Urrutia R. Pancreatic cancer research: challenges, opportunities, and recent developments. Curr Opin Gastroenterol 2002 Sep; 18(5): 563-7.
6. **Gibson JA** and Odze RD. Pathology of Diseases that Cause Upper GI Tract Bleeding. Gastrointestinal Endoscopy Clinics, 2011, 2011 Oct;21(4):583-96.
7. Robert M and **Gibson J**. Chapter 16: Inflammatory Disorders of the Small Intestine. In: Odze and Goldblum: Surgical Pathology of the GI Tract, Liver, Biliary Tract and Pancreas, 3rd Edition, eds. R.D. Odze and J.R. Goldblum, Elsavier Saunders, Philadelphia, PA, 2015, pp. 402-435
8. **Gibson J** and Odze R. Pathology of premalignant colorectal neoplasia. Dig Endosc. 2016 Apr;28(3):312-23

**Practice Guidelines, Standards and Consensus Statements**

1. Batts KP, Ketover S, Kakar S, Krasinskas AM, Mitchell KA, Wilcox R, Westerhoff M, Rank J, **Gibson J**, Mattia AR, Cummings OW, Davison JM, Naini BV, Dry SM, Yantiss RK. Appropriate use of special stains for identifying Helicobacter pylori: Recommendations from the Rodger C. Haggitt Gastrointestinal Pathology Society. Am J Surg Pathol. 2013 Nov;37(11):e12-22.
2. **Gibson J**, Lacy J, Matloff E, Robert M. Microsatellite instability testing in colorectal carcinoma: a practical guide. Clin Gastroenterol Hepatol. 2014 Feb;12(2):171-176.

**Case Reports, Technical Notes, Letters**

1. Rustagi T, Mansoor MS, **Gibson JA** and Kapadia CR. Pseudomelanosis of stomach, duodenum and jejunum. Journal of Clinical Gastroenterology. 2014 Jan 31.
2. Parikh ND, **Gibson J**, Aslanian H. Gastric Fundic Gland Adenocarcinoma With Chief Cell Differentiation. Clin Gastroenterol Hepatol. 2015 Nov;13(11):A17-8.
3. Vyas M, **Gibson J**, Mitchell KA. PTEN hamartoma syndrome. ASCP Case Reports: Surgical Pathology. 2015;SP 15-8.

**Work submitted for publication**

1. Cenaj O, **Gibson J**, Odze R. Clinicopathologic and Outcome Study of Sessile Serrated Adenomas/Polyps with Serrated Versus Intestinal Dysplasia, Accepted for publication pending revisions. Modern Pathology
2. **Gibson J** and Odze R.Chapter 5: Tissue Sampling, Specimen Handling and Laboratory Processing In: Clinical Gastrointestinal Endoscopy 3rd Edition, eds. G.G. Ginsberg, C.J. Gostout, M.L. Kochman, I.D. Norton, Elsavier Saunders, St. Loius, MO, publishing date to be determined