

## **Dr. Ayman I. Sayegh**

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- 18) **Sayegh, A. I.** The role of bombesin and bombesin-related peptides in the short-term control of food intake. *Prog Mol Biol Transl Sci*. 2013,114:343-70
- 19) **Sayegh, A. I.** The role of cholecystokinin receptors in the short-term control of food intake. *Prog Mol Biol Transl Sci*. 2013,114:277-316
- 20) Reeve, J. R., Jr., Washington, M. C., Park, K. H., Johnson, T., Hunt, J., Shively, J. E., et al. Sequence analysis and feeding responses evoked by the large molecular form of gastrin releasing peptide (GRP) in the rat GRP-29. *Peptides*. 2014,59:1-8
- 21) **Sayegh, A. I.**, Washington, M. C., Raboin, S. J., Aglan, A. H., Reeve, J. R., Jr. CCK-58 prolongs the intermeal interval, whereas CCK-8 reduces this interval: not all forms of cholecystokinin have equal bioactivity. *Peptides*. 2014,55:120-5
- 22) Washington, M. C., Aglan, A. H., **Sayegh, A. I.** The stomach and/or upper duodenum contain sites of action that control meal size and intermeal interval length by exogenous rat gastrin releasing peptide. *Peptides*. 2014,55:41-6
- 23) Washington, M. C., Park, K. H., **Sayegh, A. I.** Obese and lean Zucker rats respond similarly to intraperitoneal administration of gastrin-releasing peptides. *Peptides*. 2014,58:36-41

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- 25) **Sayegh, A. I.**, Washington, M. C., Johnson, R. E., Johnson-Rouse, T., Freeman, C., Harrison, A., et al. Celiac and the cranial mesenteric arteries supply gastrointestinal sites that regulate meal size and intermeal interval length via cholecystokinin-58 in male rats. *Hormones and behavior*. 2015,67:48-53
- 26) Washington, M. C., Williams, K., **Sayegh, A. I.** The feeding responses evoked by endogenous cholecystokinin are regulated by different gastrointestinal sites. *Hormones and behavior*. 2016,78:79-85
- 27) Williams, K. E., Washington, M. C., Johnson-Rouse, T., Johnson, R. E., Freeman, C., Reed, C., et al. Exogenous glucagon-like peptide-1 acts in sites supplied by the cranial mesenteric artery to reduce meal size and prolong the intermeal interval in rats. *Appetite*. 2016,96:254-9

### **Reviews:**

**Sayegh, A.I. and Washington, M.C.** Back to Basics: Regulation of Gastrointestinal Functions. *Journal of Gastrointestinal and Digestive System*. 2013

### **Books:**

**Sayegh, A.I.** *Equine Clinical Anatomy*, Elsevier, January, 2017

### **Book Chapters:**

- 1) **Sayegh, A.I.** and Herdt, T. Physiology of the Gastrointestinal Tract, Controls of Gastrointestinal Functions, *Cunningham Textbook of Veterinary Physiology*, Elsevier, June, 2012
- 2) Herdt, T. and **Sayegh, A.I.** Physiology of the Gastrointestinal Tract, Motility, *Cunningham Textbook of Veterinary Physiology*, Elsevier, June, 2012
- 3) Salomon, T, **Sayegh, A.I.** and Reeve, J.J., Jr. Cholecystokinin. *A Handbook of Biologically Active Peptides*, Abba Kastin, Editor, 2012

### **Invited Presentations:**

- 1) **Sayegh AI.** A possible role for the gastrointestinal tract in the short term control of food intake by cholecystokinin and gastrin releasing peptide. The NORC and Department of Nutritional Sciences Seminar Series, The University of Alabama at Birmingham School of Medicine, Oct 13<sup>th</sup> 2015

- 2) **Sayegh AI.** The gastrointestinal tract contains sites of action controlling meal size and intermeal interval length by cholecystokinin and gastrin releasing peptide. 14<sup>th</sup> International meeting of Peptide, Amino Acids and Proteins, Vienna, Sept 3-7<sup>th</sup> 2015
- 3) **Sayegh AI.** Cholecystokinin infused in the celiac artery and the cranial mesenteric artery reduces food intake and activates the enteric and dorsal vagal complex neurons. International Society for Autonomic Neuroscience Meeting, Milan, Sept 24-30<sup>th</sup> 2015
- 4) **Sayegh AI.** Roux-en-Y Gastric Bypass Alters the Site of Action and Augments the Feeding Responses Evoked by Gastrin Releasing Peptide in Rats. 15<sup>th</sup> Biomedical Research Symposium, Tuskegee University, September 18-19, 2014
- 5) **Sayegh AI.** The Gastrointestinal Tract Contains Sites of Action which Regulates Meal Size and Intermeal Interval by Cholecystokinin and Gastrin Releasing peptide. Nutrition and Health 2014. Taiyuan, China October 24-26, 2014
- 6) **Sayegh AI.** Roux-en-Y Gastric Bypass Alters the Site of Action and Augments the Feeding Responses Evoked by Gastrin Releasing Peptide in Rats. Obesity Week, Boston, MA, USA, November 1-7, 2014
- 7) **Sayegh AI.** The Tale of Two Peptides, Cholecystokinin and Gastrin Releasing Peptide in the fight Against Obesity. The American Association for Veterinary Anatomists Meeting, Athens, GA, July 11-13, 2013
- 8) **Sayegh AI.** In The Fight Against Obesity: Two Peptides, One Route. The Second International Conference on Gastroenterology and Urology, Chicago, IL, June 10-13, 2013
- 9) **Sayegh AI.** Washington, MC and Reeve, JR, Jr. The site of action that regulates prolongation of the intermeal interval by cholecystokinin in the rat is gastrointestinal. Swiss Winter Conference on Ingestive Behavior, St. Moritz, Switzerland Mar 3-8, 2013
- 10) **Sayegh AI.** The site of action for prolonging the intermeal interval by cholecystokinin. Department of Internal Medicine, Martin-Luther Hospital), Berlin, Germany, Mar 12, 2013
- 11) **Sayegh AI.** The short-term control of food intake: Possible anti-obesity targets. 12<sup>th</sup> Annual Biomedical Research Symposium, , Tuskegee University, Tuskegee, AL, Sept 22 and Sept 23, 2011
- 12) **Sayegh AI.** Close Arterial Injections of Gastrin Releasing Peptide-29 Evokes Feeding Responses Consistent with a Role in the Short-Term Regulation of Food

intake. Swiss Winter Conference on Ingestive Behavior, St. Moritz, Switzerland Feb 26-Mar 3, 2011

- 13) **Sayegh AI.** An Intact Enteric Nervous System is Necessary for the Full Satiety Responses Evoked by Cholecystokinin. German Neurogastroenterology and Motility Society, Freising, Germany, Mar 4-6, 2011
- 14) **Sayegh AI.** The Role of the Enteric Nervous System in the Satiety Responses Evoked by Cholecystokinin. (Mini-symposium) (Invited by Dr. Miriam Goebel, Department of Internal Medicine, Martin-Luther Hospital), Berlin, Germany, Mar 11, 2011
- 15) **Sayegh AI.** Equine Anatomy Review. American Association of Equine Practitioners. Tuskegee Chapter. School of Veterinary Medicine, Tuskegee, AL Oct. 18, 2009 (Hosts: Ashley Craig and Grace Owens)
- 16) **Sayegh AI.** Control of food intake by the gastrointestinal tract, Department of Physiology, School of Medicine, Southern Illinois University, Carbondale, IL Sept. 26, 2008 (Host, Dr. April D. Strader)
- 17) **Sayegh AI.** Role of gut peptides in the prolongation of the intermeal interval, Department of Anatomy, Physiology and Pharmacology, College of Veterinary Medicine, Auburn University, Auburn, AL April 18, 2008 (Host, Dr. Mahmood Mansor, seminar series coordinator)
- 18) **Sayegh AI.** Overview of gastrointestinal physiology, SAVMA symposium, College of Veterinary Medicine, Tuskegee and Auburn Universities, Auburn, Conference Center, Auburn, AL, March 21, 2008
- 19) **Sayegh AI.** Control of food intake and the role of gut nerves in this control, College of Veterinary Medicine, Tuskegee and Auburn Universities, Auburn, Conference Center, Auburn, AL, March 21, 2008
- 20) **Sayegh AI.** Gut peptides and the intermeal interval, Department of pathology and Laboratory Medicine, Obesity Research Center and The Genome Center, School of Medicine, University of Cincinnati, OH, January 28, 2007 (Host: Dr. Patrick Tso)
- 21) **Sayegh AI.** The role of the enteric nervous system of the gut in the satiety actions of cholecystokinin, College of Veterinary Medicine and Graduate Studies, Department of Pharmacology, University of Tokyo, Japan, Oct 2, 2007 (Hosts: Professors Hiroshi Ozaki and Masatoshi Hori)
- 22) **Sayegh AI.** Gastrointestinal physiology and the role of the gut in satiety, Department of Nutritional Chemistry, University of Kyoto, Japan, Oct 3, 2007 (Hosts: Professor Fushiki Tohru and Dr. Yasuko Manabe)

23) **Sayegh AI.** Endogenous CCK reduces food intake and increases submucosal Fos-like immunoreactivity by acting on CCK<sub>1</sub> receptors, International Society for Autonomic Neuroscience, Kyoto, Japan, Oct 5-8, 2007

24) **Sayegh AI.** The physiology of the intermeal interval, Department of Human Nutrition, Kansas State University, Manhattan, KS, Oct 17, 2007 (Host: Dr. Tonatiuh Melgarejo)

25) **Sayegh AI.** Reduction of food intake by cholecystokinin: A possible role for the enteric nervous system of the gut, Keynote lecture, Sigma Xi Research society, Tuskegee, AL, April 28, 2007