August 15, 2013 (Thursday)

7:00 – 9:30pm  Reception and Welcoming remarks

Park Inn by Radisson at: 101 North Summit Street. Toledo, OH 43604

August 16, 2013 (Friday)

Section 1: Cancer

Chair: Wagener, Christoph; MD, PhD

9:00 – 9:30am  Mishra, Lopa, MD / Majumdar, Avijit, PhD
Targeting CEA in the treatment of advanced colorectal cancer, P. 9

9:30 – 10:00am  Ergun, Suleyman, PhD
The role of CEACAM1 in lymph node metastasis of prostate cancer, P. 10

10:00 – 10:30pm  Mohamed, Iman, MD
Does low CEACAM1 level link cancer to obesity?, P. 11

10:30 – 10:45am  Break

Chair: Horst, Andrea Kristina; PhD

10:45 – 11:15am  Shively, Jack, PhD
Calmodulin kinase IID is an essential regulator of CEACAM1 phosphorylation in a 3D model of mammary gland lumen formation, P. 12

11:15 – 11:45am  Arabzadeh, Azadeh, PhD
Novel mechanisms by which Carcinoembryonic Antigen Cell Adhesion Molecule 1 long isoform (CEACAM1-L) regulates liver metastasis of colorectal cancer cells, P. 13

11:45 – 12:15pm  Yokoyama, Shozo, MD, PhD
CEACAM1 long cytoplasmic domain isoform is associated with invasion and recurrence of hepatocellular carcinoma, P. 14

12:15 – 1:45pm  Lunch
The 23rd Annual International CEA Symposium
Center for Diabetes and Endocrine Research (CeDER)
August 15 – 18, 2013

Trainees’ section (short talks):

Co-Chairs: Mishra, Lopa; PhD and Dveksler, Gabriela; PhD

1:45 – 2:00pm Yamaguchi, Shunsuke
   CEACAM1 induces cancer stem cell-like property of colorectal cancer cells, P. 15

2:00 – 2:15pm Zhang, Hui, PhD
   Role of CEACAM1 and CEACAM20 in an in vitro model of prostate Morphogenesis, P. 16

2:15 – 2:30pm Weng, Chunyue
   Employment of microarray analysis to determine potential miRNAs regulating the CEACAM1 lumen formation pathway in MCF-7 cells, P. 17

2:30 – 2:45pm Stubblefiled, Kandis
   The Role of the Tumor Suppressor Sash1 in CEACAM1 Signaling, P. 18

2:45 – 3:00pm Kujawski, Maciej, PhD
   Role of carcinoembryonic antigen-related cell adhesion molecule-1 (CEACAM1) in metastasis of human breast carcinoma, P. 19

3:00 – 3:15pm Forrest, Laura
   Molecular mechanisms governing CEACAM1-L- regulated colon cancer metastasis, P. 20

3:15 – 3:30pm BREAK

Section 2: Evolution of CEA Family

Chair: Holmes, Kathryn V.; PhD

3:30 – 4:00pm Zimmermann, Wolfgang, PhD
   Evolution of paired vertebrate CEACAM receptors, P. 22

4:00 – 4:30pm Kammerer, Robert, PhD, P. 23
   Diversity of the CEA Gene Families in Vertebrates

5:00pm Departure: Toledo Museum of Art (beginning with a cocktail reception in the Glass Pavilion and including music from Jeff Tucker @ on the Beach)

9:00pm Return to the hotel

NB: There are plenty of highly recommended bars and restaurants near the hotel, if needed afterwards.
August 17, 2013 (Saturday)

SECTION 3: VIRUS/PARASITES/IMMUNOLOGY

CHAIR: Shively, Jack; PhD

9:00 – 9:45am Holmes, Kathryn V., PhD (Keynote lecture)
   Why spike glycoproteins of beta-coronaviruses use CEACAM1a or sugar moieties as their receptors, P. 25

9:45 – 10:15am Gray-Owen, Scott, PhD
   Intimate Relations: CEAing the pathogenic Neisseria, P. 26

10:15 – 10:45am Blumberg, Richard S, MD
   CEACAM1 and T cell Tolerance, P. 27

10:45 – 11:00am BREAK

Trainees’ section (short talks):

Co-Chairs: Moore, Tom, MVB PhD MRCVS and Kammerer, Robert; PhD

11:00 – 11:15am Zhang, Zhifang, PhD
   CEACAM1 regulation of IL-6 after LPS challenge, P. 28

11:15 – 11:30am Dery, Kenneth, PhD
   Alternative splicing in CEACAM1 is induced by IFN-γ induced transcription factor IRF-1, P. 29

11:30 – 11:45pm Gray-Owen, Scott, PhD
   Inside-out signaling promotes dynamic changes in the CEACAM1 oligomeric state to control its cell adhesion properties, P. 30

11:45 – 12:00pm Kirouac, Kevin, PhD
   Structural insights into the function and specificity of CEACAM N terminal domains, P. 31

12:00 – 12:15pm Saminemi, Sridhar, PhD
   Role of CEACAM1 in Breast Cancer Associated Immune Responses, P. 32
12:15 – 12:30pm  Nilewski, Elena, PhD  
Functional role of CEACAM1 in the lymphogenic metastasis of prostate carcinoma, P. 33

12:30 – 12:45pm  Ullrich, Nico, PhD  
The N-terminal Domain of CEACAM1 as a potential target for antibody-based immunotherapy in Malignant Melanoma, P. 34

12:45 – 2:00pm  LUNCH

SECTION 4:  METABOLISM AND ASSOCIATED DISEASES  
CHAIR: Beauchemin, Nicole; PhD

2:00 – 2:30pm  Levy, Emile, PhD  
Intestinal CEACAM1 in cardiometabolic pathways

2:30 – 3:00pm  Russo, Lucia, PhD  
Loss of hepatic CEACAM1 links insulin resistance to non alcoholic steatohepatitis (NASH), P. 36

3:00 – 3:30pm  Lecka-Czernik, Beata, PhD  
L-SACC1 mice represent a model to study systemic effect of hyperinsulinemia on bone turnover, P. 37

Trainees’ section (short talks):  
CHAIR: Zimmermann, Wolfgang; PhD

3:30 – 3:45pm  Khuder, Saja  
Regulation of CEACAM1 expression by PPARa, P. 38

3:45 – 4:00pm  Ghanem, Simona S.  
Sexual dimorphic regulation of insulin action by CEACAM2, P. 39

4:00 – 4:15pm  BREAK
SECTION 5:  CEACAM IN VASCULAR DISEASES

Chair: Blumberg, Richard S; MD

4:15 – 4:45pm  Shapiro, Joseph I, MD
CEACAM and renal salt handling, P. 41

4:45 – 5:15pm  Horst, Andrea Kristina, PhD
CEACAM1 in reperfusion injury, P. 42

5:15 – 5:45pm  Najjar, Sonia M, PhD
Role of CEACAM1 in vascular disease, P. 43

Trainees’ section (short talks):

5:45 – 6:00pm  Muturi, Harrison, PhD
CEACAM1 mediates insulin-induced eNOS activation in endothelial cells, P. 44

7:30pm  Department: Walk across Maumee River to Real Seafood Company, 22 Main Street,
The Docks at International Park, Toledo, OH 43605

8:00pm  Sit down dinner with a river overview

August 18, 2013 (Sunday)

SECTION 6:  MOLECULAR INTERACTIONS

Chair: Ergun, Suleyman; PhD

9:00 – 9:45am  Wagener, Christoph, MD, PhD (Keynote lecture)
What do CEACAMs recognize?, P. 46

9:45 – 10:15am  Dveksler, Gabriela, PhD
Pregnancy specific glycoprotein 1 (PSG1) activates TGF-β and prevents
dextran sodium sulfate (DSS)-induced colitis in mice, P. 47

10:15 – 10:45am  Moore, Tom, MVB PhD MRCVS
PSGs are beta3 integrin ligands, P. 48

10:45 – 11:00am  CLOSING REMARKS