

Date of preparation: 08 November 2011

## CURRICULUM VITAE

NAME: Jonathan Stuart Wall

BIRTHDATE: 31<sup>st</sup> March, 1968

BIRTHPLACE: Cardiff, Wales

EDUCATION:

High School:

Greenhill Comprehensive School, Tenby, Dyfed (9/1979-6/1986)

Undergraduate:

University of Essex, Department of Biology, Wivenhoe Park, Colchester, U.K. (10/1987-6/1991). BSc. (Hons.) Biological Sciences, July 1991

Graduate:

University of Essex, Department of Chemistry & Biological Chemistry, Wivenhoe Park, Colchester, U.K. (10/1991-12/1994). Ph.D conferred July 1995

Postdoctoral:

University of Tennessee Medical Center Knoxville, Human Immunology & Cancer Program, 1924 Alcoa Highway, Knoxville, TN 37920-6999 (1/1995-4/1997)

HONORS:

### *PATENTS and INVENTION DISCLOSURES*

UK patent issued on graduate research work, 1995, UK Patent No. UKPA 9406464.9 – “Assay for determining biochemical changes at phospholipid bilayer membrane surfaces”.

US patent issued # 6,245,572 - “Flow cytometric characterization of amyloid fibrils.” Inventor. Issued June 12<sup>th</sup> 2001

US patent issued # 7,485,616 “Methods of investigating, diagnosing and treating amyloidosis” Co-Inventor. Issued February 3<sup>rd</sup> 2009

EPO patent issued # 99923260.6 “Methods for amyloid removal using anti-amyloid antibodies” Co-Inventor. Issued April 21<sup>st</sup> 2010

US patent issued # 7,028, 203 “Chimeric, humanized, or human antibody 2A4” Co-inventor. Issued April 19<sup>th</sup> 2011

Patent filed, 1998, Co-Inventor- “Methods for amyloid removal using anti-amyloid antibodies,” *Publication Number*: WO/1999/060024;  
*International Application No.*: PCT/US1999/01120.  
Patent issued in: EU, Australia, Russia, China, Canada, and S. Korea.

Patent filed, 2005, Co-Inventor- “Diagnostic and therapeutic potential of naturally occurring amyloid-reactive IgG antibodies contained in human globulin intravenous (IGIV) products,” *Publication Number*: WO/2006/113347; *International Application No.*: PCT/US2006/013858

Patent filed, 2008, Co-Inventor- “Treatment and prophylaxis of amyloidosis,” *Attorney Docket No.*: 015270-021310PC

Patent filed, 2008, Co-Inventor- “Method for diagnosis or treatment of amyloidosis by targeting hyper-sulfated proteoglycans present in amyloid,” *Attorney Docket No.* 747.0119, *Provisional Patent Application # 61/191,320*

Patent Filed, 2010, Co-Inventor- “Peptides that specifically target amyloid deposits,” *Provisional Patent Application # 61/318,083*

*Invention disclosure*: “Detection and diagnostic imaging of peripheral amyloidosis and amyloid-associated disorders using radiolabeled AV-45 (Florbetapir).” Co-Inventor. 8/12/10

Patent Filed, 2011, Co-Inventor- “Peptides that specifically target cancer and uses thereof,” *Provisional Patent Application # 61/471,469*

#### AWARDS

Graduate School of Medicine Spirit Award.  
University of Tennessee Graduate School of Medicine, Knoxville, TN.  
June 2011.

Excellence in Leadership and Performance of Basic Science Award.  
University of Tennessee Graduate School of Medicine, Knoxville, TN.  
June 2006.

#### SOCIETY MEMBERSHIPS

Member of the American Association of Immunologists (2001-2010)

Society of Nuclear Medicine (May 2007-present)

American Association for Laboratory Animal Science (Gold Membership; 2007- present)

International Society of Amyloidosis (Jan 2008- present)

Honorary member Phi Zeta – the Honor Society of Veterinary Medicine (April 2008-present)

#### UNIVERSITY APPOINTMENTS:

Professor of Medicine with full tenure, University of Tennessee Graduate School of Medicine, Knoxville, TN (7/1/09 – present)

Associate Professor, University of Tennessee Graduate School of Medicine, Knoxville, TN (7/2003 – 6/30/09)

Assistant Professor, University of Tennessee Graduate School of Medicine, Knoxville, TN (5/1997-6/2003)

#### OTHER ACADEMIC APPOINTMENTS:

Adjunct Associate Professor, Department of Small Animal Clinical Sciences, University of Tennessee, College of Veterinary Medicine, Knoxville, TN (7/2007 – present)

Director, Preclinical and Diagnostic Molecular Imaging Laboratory, University of Tennessee Graduate School of Medicine, Knoxville, TN (11/2005 – present)

Director, Animal Facility, University of Tennessee Graduate School of Medicine, Knoxville, TN (7/2009 – present)

#### PRIVATE SECTOR APPOINTMENTS:

Biological and Animal Model Consultant for *ImTek Inc.*, 3200 Mynatt Avenue Knoxville, TN. (2001-2004)

Scientific Advisory Board member for *Biolaurus Inc.*, San Diego, CA (2010 – present)

Co-Founder and President/CEO, *Solex LLC*. Knoxville, TN (2010)

TEACHING EXPERIENCE:

“CEM Special Topics : Molecular Basis of Human Disease” Course # 541 (2000 and 2010) – guest lecturer

“CEM Special Topics : Pathology of Laboratory Animals” Course # 401 (2008) – guest lecturer

“South College - Microbiology Laboratory” Course # BIO 1170 (2008) – guest lecturer

VISITING PROFESSORSHIPS and INVITED LECTURES:

1. “*Translational Research – from the micro to the mCT*” Siemens Quarterly Communications Meeting, Knoxville, TN, August 17<sup>th</sup> 2011
2. “*Amyloid, melanoma and the missing molecular link*” Visiting Professor Univeristy of Uppsala, Uppsala, Sweden, April 7<sup>th</sup> 2011
3. “*Translational Research: Our path to developing novel biological molecular imaging agents*” Nuclear Medicine Technologist of Tennessee Annual meeting, Nashville, TN March 18<sup>th</sup> 2011
4. “*Animal imaging in basic, clinical, and translational research*” Visiting Professor in Biochemistry and Molecular Biology Seminar Series, Mayo Clinic, Rochester, MN. March 1<sup>st</sup> 2011
5. “*Imaging Amyloidosis: A case study in translational research covering preclinical discovery and validation of novel diagnostic and therapeutic agents*” Siemens Workshop Symposium, Kyoto, Japan, September 10<sup>th</sup>, 2010.
6. “*Siemens Preclinical Image of the Year Presentation*” Siemens Preclinical Solutions User Group Meeting, Kyoto, Japan, September 7<sup>th</sup>, 2010.
7. “*The Role Inveon SPECT Plays in Translational Imaging*” Siemens Preclinical Solutions User Group Meeting, Kyoto, Japan, September 7<sup>th</sup>, 2010.
8. “*Molecular Imaging: Technology, Tracers, and Translation*”. Keynote address at the 2010 American College of Veterinary Radiology, Asheville, NC, August 15 -19 2010.

9. "*Quantitative multi-modality imaging in mice*". Measurement Science and Systems Engineering Division's July 2010 Distinguished Lecture Series, Oak Ridge National Laboratory, Oak Ridge, July 14<sup>th</sup>, 2010.
10. "*Advances in Preclinical and Clinical Imaging at UTGSM*" at the West Knoxville Sertoma Group, Knoxville, TN, April 14<sup>th</sup> 2010
11. "*Basic, Translational and Diagnostic Imaging at UT*" at the Appalachian Branch of AALAS Summer Quarter Meeting, University of Tennessee, Knoxville, TN, June 12<sup>th</sup> 2009
12. "*Advances in Preclinical and Clinical Imaging at UTGSM*" at the O'Connor Senior Center, Knoxville, TN, March 23<sup>rd</sup> 2009
13. "*Multi-Modality Imaging of Peripheral Amyloid in Experimental Mouse Models*" Pathology Research Seminar Series, Saint Louis University School of Medicine, St. Louis, MO, Oct 12<sup>th</sup> 2007
14. "*Siemens Preclinical Image of the Year Presentation*" at the Siemens Workshop at the AMI/SMI Joint Molecular Imaging Conference, Providence, RI, September 7<sup>th</sup> 2007
15. "*Imaging Amyloidosis in Mice*" for IBA Molecular, at the Society of Nuclear Medicine 54<sup>th</sup> Annual Meeting, Washington DC, June 5<sup>th</sup> 2007
16. "*Advances in Amyloid Imaging - A Tale of Two Modalities*" Siemens Preclinical Solutions, Knoxville, TN, May 24<sup>th</sup> 2007
17. "*Diagnostic and Therapeutic Use of a Fibril-Reactive Monoclonal Antibody*" Biochemistry Seminar Series, Universidad Autonoma de Mexico (UNAM), Cuernavaca, Mexico. October 3<sup>rd</sup> 2006
18. "*PET, SPECT and CT Micro-Imaging of Peripheral Amyloid in Mice*" Visiting Professor in Biochemistry and Molecular Biology Seminar Series, Mayo Clinic, Rochester, MN. September 12<sup>th</sup> 2006
19. "*Preclinical Imaging and Treatment of Peripheral Amyloidosis*" at the International Symposium for Molecular Bio-Imaging and Image Guided Radiotherapy, Hokkaido, Japan, July 14-16, 2006
20. "*Preclinical Imaging of Amyloidosis.*" Systemic Amyloidosis Focus Group Workshop - NIH/ORD, Bethesda, MD, June 20, 2006

21. “*Preclinical Imaging and Treatment of Peripheral Amyloidosis*” at the East Tennessee State University, Internal Medicine Research Seminar Series, Johnson City, TN, March 28, 2006.
22. “*Imaging Amyloidosis using Preclinical SPECT, CT and PET*” at the Micro-Imaging Workshop, AMI pre-conference, Orlando, March 23-25, 2006.
23. “*SPECT Imaging of Primary (AL) Amyloidosis in a Murine Model Using an Amyloid-Reactive Monoclonal Antibody*” at the 2<sup>nd</sup> Biennial Workshop on Small-Animal SPECT Imaging, Tucson, AZ, March 8-10, 2006.
24. “*Micro-Imaging of Amyloid in Mice*” at the University of Tennessee Veterinary School of Medicine, Knoxville, August 10, 2005.
25. “*Amyloid Imaging: A Diagnostic and Therapeutic Tool*” at the 21<sup>st</sup> Annual Alzheimer’s Disease Symposium, Gatlinburg, TN, June 6-7, 2005.
26. “*Imaging Amyloidosis in Experimental Animals*” at the Cambridge Health Tech Institute “Protein Folding Disease” Symposium, San Diego, CA, January 10-13, 2005
27. “*MicroSPECT/CT Imaging of AA-Amyloidosis*” at the Xth International Symposium on Amyloid and Amyloidosis, Tours, France, April 2004.
28. “*Vaccine Therapy for Alzheimer’s Disease and Other Amyloidoses*” at the 19<sup>th</sup> Annual Alzheimer’s Disease Symposium, Gatlinburg, TN, June, 2003.
29. “*Disrupting Amyloidogenesis with Monoclonal Antibodies*” at the Protein Stability Conference, Breckenridge, CO, July 18-20, 2002.
30. “*Pathophysiology of Amyloidogenic Light Chains and Amyloidosis*”. at the Monoclonal Gammopathies and the Kidney Conference, Poitiers, France, March 22-23, 2001.

#### EDITORIAL APPOINTMENTS:

Member of Editorial Board for *Molecular Imaging and Biology*, Springer, New York. (2007 impact factor = 2.94), 1/2008 – present. Editor in chief Dr. Raymond Gibson.

## COMMITTEES AND OFFICES:

### *GRADUATE STUDENT COMMITTEES*

- Brian Bledsoe (Comparative and Experimental Medicine [CEM], MS) 2001.
- Matt Sega (CEM, MS) 2002 – 2004
- Erica Johnson (Genome Science and Technology [GST], PhD) 2002 – 2007.
- Thomas Benson (Electrical Engineering [EE], PhD) 2004 – 2006.
- Michael Hance (CEM, MS) 2004 – 2005.
- Ferenc Toth (CEM, PhD) 2006 – 11/2008.
- Angela Lusby (CEM, PhD) 2006 – 2009.
- Mark Lennox (Comp. Sci and EE) 2008 – 2009
- Sarah Elliot (CEM, MS) 2008 –2010
- Dustin Osborne (EE & Computer Science, PhD) 2007 – present.
- Christine Bishop (CEM, PhD) 2007 – 2011.
- Jason Headrick (CEM, PhD) 2007 – present
- Tatiana Perevozchikova (GST, PhD) 2009 - present
- Lloyd Arrowood (Comp. Sci and EE) 2009- present
- Sood Shilpa (CEM, PhD) 2011 –present

### *GRANT REVIEW COMMITTEES*

- *Ad hoc* reviewer for NHLBI/NIH (2001)
- *Ad hoc* reviewer for FDA Orphan Product Development group (2004)
- *Ad hoc* reviewer for Israeli Science Foundation (2005)

- *Ad hoc* reviewer for NCRR/NIH GCRC (site visitor 2005)
- *Ad hoc* reviewer for NIH/Brain Disorders and Clinical Neurosciences IRG (June 2006)
- *Ad hoc* reviewer for Medical Research Council (MRC), UK (October 2009)
- Panel Reviewer for Food and Drug Administration, Office of Orphan Product Development Grant Review Panel (March 2010)
- *Ad hoc* reviewer of Merit Award – NIDDK/NIH, December 2010

#### *JOURNAL REVIEW ASSIGNMENTS*

- *Ad hoc* reviewer for American Journal of Pathology (2002)
- *Ad hoc* reviewer for Amyloid Journal (2002, 2005 – 2008, 2010)
- Reviewer for Molecular Imaging and Biology (2008 - present)

#### *INSTITUTIONAL COMMITTEES*

- Faculty member of Genome Science and Technology Graduate program (2004 – 2008).
- Molecular Imaging and Translational Research Program Steering Committee (2005- 2008).
- University of Tennessee Knoxville, Institutional Animal Care and Use Committee (IACUC) member (2005-present).
- Basic Research Faculty Preceptor, Pulmonary Disease Fellowship Program Application, UT Graduate School of Medicine (2006).
- Member of Attending Veterinarian Search Committee (UT Knoxville - 2006).
- Dean of Graduate School of Medicine's designee member on the University of Tennessee Knoxville, Animal Care Advisory Counsel reporting to the Institutional Officer (2006-present).
- Member of Chair of Preston Medical Library Search Committee (UT Knoxville – 2008)

- Molecular Imaging and Translational Research Program Scientific Committee (2008- present).
- University of Tennessee Radiological Safety Committee (2008 – present).
- Promotion and Tenure Committee, Department of Medicine, UT Graduate School of Medicine (2009 – present)
- Chairman of Medicine Search Committee, UT Graduate School of Medicine (July 2010)
- Assistant Dean for Research Search Committee, UT Graduate School of Medicine (2010)
- Immunology search committee, Department of Microbiology, University of Tennessee, Knoxville (August 2010).
- Regional Campus Expansion University of Tennessee Health Science Center-Knoxville/University of Tennessee Graduate School of Medicine task force member (September 2010)
- UTK Compliance Director Search Committee (Jan 2011)

#### *EXTRAMURAL COMMITTEES*

- Society of Nuclear Medicine Preclinical Imaging Task Force (2010 – present)
- Society of Nuclear Medicine Translational Researcher Curriculum Task force (2010 – present)

#### GRADUATE/UNDERGRADUATE/MEDICAL STUDENTS TRAINED:

1. Caroline Golding, B.Sc. & Ph.D. (9/91-4/92 & 9/92-9/93), B.Sc. Dept of Chemistry and Biological Chemistry, University of Essex, UK
2. Fayad Ayoub, Ph.D. (9/92-9/94), Ph.D. Dept of Chemistry and Biological Chemistry, University of Essex, UK
3. David Lees, B.Sc. (9/93-4/94), B.Sc. Dept of Chemistry and Biological Chemistry, University of Essex, UK

4. Ty Kirby, MD (6/1/95-7/28/95)- “*Kinetics of Light Chain Fibrillogenesis: The Role of the Membrane Surface*”. NIH Research Fellow. University of Tennessee Graduate School of Medicine.
5. Michael Blakley, MD (6/2/97-8/1/97)- “*In vitro Fibril Formation and Analysis with Flow-Cytometry*”. NIH Research Fellow. University of Tennessee Graduate School of Medicine.
6. Sandra McCarty, MD (6/6/98-8/6/98)- “*Interactions of Amyloidogenic and Benign Immunoglobulin Light Chains with Extra-cellular Matrix Components*”. NIH Research Fellow. University of Tennessee Graduate School of Medicine.
7. William Wang, BS (5/98-8/98)- “*The Role of Plasma Membranes in Amyloid Formation*”. UT Undergraduate Research Program
8. Jennifer Zurawick, MD (6/2/99-8/2/99)- “*Production of Recombinant Light Chain  $V_L$  Proteins and Analysis of their Oligomerization*”. NIH Research Fellow. University of Tennessee Graduate School of Medicine.
9. Sabina Siddiqui, MD (6/1/01-8/1/01)- “*Identification and Characterization of Monoclonal Antibodies with Anti-Fibril Reactivity*”. NIH Research Fellow, University of Tennessee Graduate School of Medicine.
10. Demet Ataman, BSc, MSc (1/1/05 – 8/06) – “*Characterization of an amyloid fibril binding therapeutic antibody molecule.*” MSc graduate, CEM Program, University of Tennessee Graduate School of Medicine.
11. Erica Rowe, BSc, (7/1/06-8/1/07) – “*Structural and Functional Characterization of cellular polyglutamine aggregates.*” PhD graduate, GST Program, University of Tennessee Graduate School of Medicine.
12. Jonathan Phipps, BSc, MSc (5/1/05 – present) – “*Characterization and gene silencing of a novel human  $\lambda 6$  transgene in the mouse.*” PhD graduate, CEM Program, University of Tennessee Graduate School of Medicine.
13. Taylor Barnett, MD (6/10/10 – 8/1/10) – “*Investigating the inhibition of light chain fibrillogenesis by fibril-reactive small peptides.*” Collman Foundation Studentship, University of Tennessee Graduate School of Medicine.
14. Emily Brooke Martin, BSc (8/1/10 - ) – “*Investigating the diagnostic utility of small basic peptides in vivo*” PhD graduate, CEM Program, University of Tennessee Graduate School of Medicine.

## RESEARCH AND OTHER SUPPORT:

1. British Technology Group, "The use of fluoresceinphosphatidyl-ethanolamine as a real-time probe for peptide-membrane interactions." \$9,000 p.a., 9/92-9/94. Co-PI – Dept of Chemistry and Biological Chemistry, University of Essex, UK
2. Alzheimer's Association, "The role of the membrane surface in the fibrillogenesis and pathogenesis of AL amyloid." (PRG-95-047), \$30,000 - 12/95-12/96. PI – University of Tennessee Graduate School of Medicine
3. Physicians' Medical Education and Research Foundation, "Research into Developing a Screening Procedure for Myeloma-Associated Amyloidosis." \$3,500 - 11/4/97-10/30/04. PI
4. Collaborative Research Agreement with Parke-Davis/Warner Lambert, Ann Arbor, MI.  
"Screening of Compounds with Anti-Amyloid Activity *in vivo*." \$50,000 - 3/12/98-3/12/99. PI
5. Research Contract with Neurochem Inc., Quebec, Canada.  
"Screening of Compounds with Anti-Amyloid Activity *in vitro*." \$25,000 - 4/1/00-4/1/01. Co-PI
6. Collaborative Research Agreement with Pharmaceutical Industry.  
"Development and Clinical Evaluation of Therapeutic Anti-Amyloid Antibodies." \$800,000 - 12/22/00-12/21/02. Co-PI
7. MULTIPLE MYELOMA RESEARCH FOUNDATION  
Senior Scientist Award  
"Identification of Inhibitors of Light Chain Amyloidosis." \$78,410 – 11/1/03-10/30/04. PI
8. NIBIB/NIA R01 (5 yr.)  
"High Resolution SPECT/CT Imaging of Systemic AA-Amyloidosis in Mice." \$3,929,621 – 9/1/02-8/31/07. PI
9. Physicians' Medical Education and Research Foundation, "Evaluation of the biodistribution and radiation dosimetry of a novel PET radiotracer for imaging primary (AL) amyloidosis."

\$7,996 - 11/1/04-4/1/08. PI

10. Physicians' Medical Education and Research Foundation,  
"Identification of Critical Amino Acid Residues in the Epitope of the  
Fibril-Binding Antibody 11-1F4 Using Alanine Scanning Mutagenesis  
and Energy Transfer Measurements."

\$7,500 - 8/1/05-4/1/08. Co-PI

11. Physicians' Medical Education and Research Foundation, "Novel  
Approach for *in vivo* Imaging of Primary (AL) Amyloidosis."

\$7,500 - 8/1/05-4/1/08. Co-PI

12. National Cancer Institute, Research contract. "Detection of Fibril  
Reactive Antibodies in Mouse Serum."

\$14,500 - 2/1/06-3/31/06. PI

13. NIDDK R21 (2 yr.)

"Primary Amyloidosis: Small Molecule Inhibitors of Fibrillogenesis"

\$270,000 – 9/1/06-8/31/08. Co-Investigator

14. DOD/USAMRMC

"Novel Methods for Imaging PET Biomarkers and Gene Therapy of  
Cancer."

\$809,091 - 5/1/07-4/30/08. Co-investigator

15. Scholarly Activity and Research Incentive Fund (SARIF) Award.

"Infrastructure award for preclinical imaging."

\$9,000 – 4/21/07. PI

16. Hereditary Disease Foundation

"Characterization of phenotypically distinct aggregates within a  
Huntingtin inducible PC12 cellular model"

\$60,693 – 1/2008-12/2008. Co-PI

17. Collaborative Research Agreement with Pharmaceutical Company.

"Pre-clinical Evaluation of Therapeutic Anti-Amyloid Antibodies."

\$1,250,000 - 9/22/06 - 9/21/12. Co-PI

18. Collaborative Research Agreement with Pharmaceutical Company.

"Pre-clinical Evaluation of Therapeutic Anti-Amyloid Antibodies."

\$860,000 – 10/1/07 - 11/31/12. Co-PI

19. US DOE

"Development of Solid State Reagents for Preparing Radiolabeled  
Imaging Agents"

\$440,468 – 9/1/08 – 8/31/10. Co-Investigator

20. Food and Drug Administration Orphan Disease grant Program  
“Radioimmunoimaging of AL amyloidosis using  $^{124}\text{I}$ -mAb 11-1F4  
(Phase I/IND 100472/1-)  
\$400,000 – 11/08-10/10. Co-PI

21. Collaborative Training and Luminary Site Agreement with Siemens  
Preclinical Solutions, Knoxville, TN.  
\$1,050,000 (~ \$1,000,000 in equipment costs) – 4/2009-4-2014. PI

22. NIDDK/NIH RO1  
“Preclinical Diagnostic Imaging of Amyloid”  
\$1,965,618 – 7/1/09 – 6/30/2013. PI

#### BOOKS AND BOOK CHAPTERS:

1. Wall, J.S., Schell., M., Hrcic, R., Stevens, F.J. and Solomon, A. (2003) Fibrillogenesis and therapy of amyloidosis: an equilibrium approach. In, *Monoclonal Gammopathies and the Kidney*, G. Touchard, P. Aucouturier, O. Hermina and P. Ronco (eds.), p. 203-214, Kluwer Academic, Dordrecht, Netherlands.
2. Gregor, J., Gleason, S.S., Kennel, S.K., Paulus, M.J., Solomon, A., Hawkins, P.N., and Wall, J.S. (2005), A microSPECT/CT system for imaging of AA-amyloidosis in mice. In *Small-Animal SPECT Imaging*, Chapter 14, M. Kupinski and H. Barrett (eds.), Plenum, USA
3. Tobin, K.W., Chaum, E., Gregor, J., Karnowski, T.P., Price, J.R. and Wall, J.S. (2008) Image informatics for clinical and preclinical biomedical analysis. In, *Computational Intelligence in Medical Imaging: Techniques & Applications*, Chapter 9, p. 239, CRC Press, Boca Raton, FL.
4. Wall, J.S. (2010), Immunotherapy in Secondary Reactive Amyloidosis and Light Chain Amyloidosis. In *Protein Misfolding Diseases: Current and Emerging Principles and Therapies*, M. Ramirez-Alvarado, C. Dobson and J. Kelly (eds.), Chapter 42, p. 917, Wiley & Sons, Hoboken, NJ.
5. Wall, J.S. and Bartges, J. (2010), Renal Amyloidosis in Small animals. In *Nephrology and Urology of Small Animals*, J. Bartges and D. Polzin (eds). In press.

PEER-REVIEWED JOURNAL ARTICLES:

1. Wall, J.S., Golding, C., Ayoub, F., and O'Shea, P. (1994) The binding of macromolecules to the cell surface. *Nature Product Rev.* Oct. 1994, p. 38.
2. Wall, J.S., Golding, C.A., Van Veen, M., and O'Shea, P. (1995) The use of fluoresceinphosphatidylethanolamine (FPE) as a real-time probe for peptide-membrane interactions. *Mol. Memb. Biol.* **12**:181-190.
3. Wall, J.S., Ayoub, F., and O'Shea, P. (1995) Interactions of macromolecules with the mammalian cell surface: A real-time fluorescence approach. *J. Cell Sci.* **108**: 2673-2682.
4. Wall, J.S., Ayoub, F.M., and O'Shea, P. (1996) A study of the interactions of an immunoglobulin  $\lambda$  light chain with artificial and B-lymphocytes membranes. *Frontiers Biosci.* **1**: 46-58.
5. Solomon, A., Weiss, D.T., Murphy, C.L., Hrcic, R., Wall, J.S. and Schell, M. (1998) Light chain-associated amyloid deposits comprised of a novel  $\kappa$  constant domain. *Proc. Natl. Acad. Sci.*, **95**: 9547-9551.
6. Solomon, A., Weiss, D.T., Schell, M., Hrcic, R., Murphy, C.L., Wall, J.S., McGavin, M.D., Pan, H.J., Kabalka, G.W. and Paulus, M.J. (1998) Transgenic mouse model of AA amyloidosis. *American Journal of Pathology*, **154**, 1267-1272.
7. Wall, J.S., Murphy, C.L. and Solomon, A. (1999) *In vitro* immunoglobulin light chain fibrillogenesis. *Meths. in Enzymol*, **309**, 204-217.
8. Wall, J.S. and Solomon, A. (1999) Flow cytometric characterization of amyloid fibrils. *Meths. in Enzymol*, **309**, 460-466.
9. Wall, J.S., Schell, M., Murphy, C., Hrcic, R., Stevens, F. and Solomon, A. (1999) Thermodynamic Instability of Human  $\lambda$ 6 Light Chains: Correlation with Fibrillogenicity. *Biochemistry*, **38**, (42), 14101-14108.
10. Kim, Y-S, Wall, J.S., Meyer, J., Wetzel, R., Randolph, T.W., Manning, M.C., Solomon, A. and Carpenter, J.F. (2000) Thermodynamic Modulation of Light Chain Amyloid Fibril Formation. *J. Biol. Chem*, **275**, (3), 1570-1574.
11. Hrcic, R., Wall, J.S., Wolfenbarger, D., Murphy, C.L., Schell, M., Weiss, D. and Solomon, A. (2000) Antibody-mediated resolution of light chain-associated (AL) amyloid deposits. *Am. J. Pathol.*, **157**, 1239-1246.
12. Murphy, C.L., Eulitz, M., Hrcic, R., Sletten, K., Westermark, P., Williams, T., Macy, S.D., Wooliver, C., Wall, J.S., Weiss, D.T. and Solomon A. (2001) Chemical typing of amyloid protein contained in formalin-fixed paraffin-embedded biopsy specimens. *Am. J. Clin. Pathol.* **116**, (1), 135-142.

13. Maillet, C., Gupta, R.K., Schell, M.G., Brewton, R.G., Murphy, C.L., Wall, J.S. and Mullin, B.C. (2001) Enhanced capture of small histidine-containing polypeptides on PVDF, nylon and nitrocellulose membranes in the presence of ZnCl<sub>2</sub>. *Biotechniques*, **30**, (6) 1224.
14. Solomon, A, Weiss, D.T. and Wall, J.S. (2003) Therapeutic potential of Chimeric Amyloid-Reactive Monoclonal Antibody 11-1F4. *Clinical Cancer Research*, **9**, 3831s-3838s.
15. Solomon, A, Weiss, D.T. and Wall, J.S. (2003) Immunotherapy in Systemic primary (AL) Amyloidosis Using Amyloid-Reactive Monoclonal Antibodies. *Cancer Biotherapy and Radiopharmaceuticals*, **18** (6), 853-859.
16. Dealwis, C. and Wall, J.S. (2004) Towards understanding the structure-function relationship of human amyloid disease. *Current Drug Targets*, **5**, (2), 159-171.
17. Wall, J.S., Gupta, V., Wilkerson, M., Schell, M., Loris, R., Adams, P., Solomon, A., Stevens, F. and Dealwis, C. (2004) Structural basis of light chain amyloidogenicity: comparison of the thermodynamic properties, fibrillogenic potential and tertiary structural features of four Vλ6 proteins. *Journal of Molecular Recognition*, **17**, 1-9.
18. Wall, J.S., Kennel, S.J., Paulus, M.J., Gleason, S., Gregor, J., Baba, J., Schell, M., Richey, T., O'Nuallain, B., Donnell, R., Hawkins, P.N., Weiss D.T. and Solomon, A.(2005) Quantitative high-resolution microradiographic imaging of amyloid deposits in a novel murine model of AA-amyloidosis. *Amyloid: The Journal of Protein Folding Disorders*, Vol.12, 146.
19. O'Nuallain, B, Hrcic, R., Wall, J.S., Weiss, D.T. and Solomon, A. (2006). Anti-amyloid reactivity of enriched IgIV, *J. Immunol.* **176**, (11), pp. 7071-7078.
20. Tobin, K.W., Aykac, D., Govindasamy, V.P., Gleason, S.S., Gregor, J., Karnowski, T.P., Price, J. and Wall, J.S. (2006) Image-based informatics for preclinical biomedical research. *Lecture Notes in Computer Science*, **4292**, 824-834.
21. Wall, J.S., Paulus, M.J., Gleason, S.S., Gregor, J., Solomon, A. and Kennel, S.J. (2006) Micro-Imaging of Amyloid in Mice. *Methods in Enzymol, Amyloid, Prions, and Other Protein Aggregates, Part B*, vol. **412**, 161-182.
22. Souza, M.J., Greenacre, C.B., Avenell, J.S, Wall, J.S. and Daniel, G.B. (2006) Diagnosing a tooth root abscess in a Guinea Pig (*Cavia porcellus*) using micro computed tomography imaging. *Journal of Exotic Pet Medicine*, **15**, (4), 274-277.
23. Wall, J.S., Kennel, S.J., Paulus, M.J., Gregor, J., Richey, T., Avenell, J., Yap, J., Townsend, D., Weiss, D.T. and Solomon. A. (2006) Radioimaging of AL Amyloid

Using a Fibril-Reactive Monoclonal Antibody. *Journal of Nuclear Medicine*, **47**, 1-9 (Journal Cover Figure)

24. Gregor, J., Benson, T., Gleason, S., Paulus, M.J., Figueroa, S., Hoffman, T., Kennel, S.J., Wall, J.S. (2006) Approximate Volumetric System Models for MicroSPECT. *IEEE Transactions Nuclear Science*, **53**, 2646-2652.
25. Aykac, D., Price, J.R., and Wall, J.S. (2006) A 3D level sets method for segmenting the mouse spleen and follicles in volumetric microCT images. *Conf. Proc. IEEE Eng. Med. Biol Soc*, **1**, (1), 2332-2336.
26. O'Nuallain, B., Allen, A., Ataman, D., Weiss, D.T., Solomon, A. and Wall, J.S. (2007). The fibril reactive antibody 11-1F4 binds a conformational epitope on amyloid and denatured light chain proteins, *Biochemistry*, **46**, (5), 1240-1247.
27. Woodward, J., Kennel, S., Mirzadeh, S., Dai, S., Wall, J.S., Richey, T., Avenell, J. and Rondinone, A.J. (2007) In vivo SPECT/CT imaging and biodistribution using radioactive Cd<sup>125</sup>mTe/ZnS nanoparticles. *Nanotechnology*, **18**, 175103.
28. Solomon, A., Richey, T., Murphy, C.L., Weiss, D.T., Wall, J.S., Westermark, G.T. and Westermark, P. (2007) Amyloidogenic potential of foie gras. *Proc. Natl. Acad. Sci.*, **105**, (26), 10998-11001.
29. Smith, J.R., LeBlanc, C., Legendre, A., Thomas, W.B., Avenell, J., Wall, J.S. and Hecht, S. (2007) Cerebral *Blastomycosis dermatitidis* in a cat. *J. Am. Vet Med. Assoc.* **231**, (8) 1210-1214.
30. O'Nuallain, B., Allen, A., Ataman, D., Weiss, D.T., Solomon, A. and Wall, J.S. (2007). Peptide Mimetics of a Conformational Fibril Epitope Identified by Phage Display. *Biochemistry*, **46**(45):13049-58. Epub 2007 Oct 18.
31. Kennel, S.J., Wall, J.S., Woodward, J.D., Rondinone, A.J., Huang, Y. and Mirzadeh, S. (2008) The Fate of MAb targeted Cd(125m)Te/ZnS nanoparticles *in vivo*. *Nuclear Medicine and Biology*, **35**, (4), 501-514.
32. Zeng, W., Yao, M., Townsend, D., Kabalka, G., Wall, J.S., Le Puil, M., Biggerstaff, J. and Miao, W. (2008) Synthesis and biological evaluation of a radiolabeled dansylhydrazone derivative as an imaging agent for apoptosis. *Bioorganic and Medicinal Chemistry Letters*, **18**, (12), 3573-3577.
33. del Pozo Yauner, L., Sánchez, R., Sánchez, R., Güereca, L., Ortiz, E., Allen, A., Murphy, C., Wall, J.S., Fernández, A., Solomon, A., and Becerril, B. (2008). The influence of the germline sequence on the in vitro fibrillogenicity and thermodynamic stability of lambda VI light chains. *Proteins*, **72**, (2), 684-692.

34. Shashikant Kulkarni, S., Nagarajan, P., Wall, J.S., Donovan, D., Donnell, R.L., Ligon, A.H., Venkatachalam, S., Quade, B.J. (2008) Disruption of chromodomain helicase DNA binding protein 2 (CHD2) causes scoliosis. *American Journal Medical Genetics, Part A*, **146A**, (9), 117-1127.
35. Souza, M.J., Newman, S.J., Greenacre, C.B., Wall, J.S., Avenell, J.S., Phillips, J.C., Fry, M.M., Donnell, R.L. and Daniel, G.B. (2008) Diffuse intestinal T-cell lymphosarcoma in a yellow-naped Amazon parrot (*Amazona ochrocephala auropalliata*). *J. Veterinary Diagnostic Investigation*, **20**, 656-660.
36. Davern, S, Tiang, L.X., Williams, T.K., Macy, S.D., Wall, J.S., Weiss, D.T. and Solomon, A. (2008) Immunodiagnostic Capabilities of Anti-Free Immunoglobulin Light Chain Monoclonal Antibodies. , *Am. J. Clin. Path.*; **130**, (5), 702-11.
37. Wall, J.S., Richey, T. Allen, A., Donnell, R., Kennel, S.J., and Solomon, A. (2008) Quantitative microSPECT/CT imaging of early onset spontaneous AA amyloidosis in H2/huIL-6 transgenic mice. *J. Comparative Medicine*, **58**, (6), 542-550.
38. O’Nuallain, B., Acero, L., Williams, A., Koeppen, H.P.M., Weber, A., Schwartz, H.P., Wall, J.S., Weiss, D. and Solomon, A. (2008) Human plasma contains cross-reactive Abeta conformer-specific IgG antibodies. *Biochemistry*, **47**, (47), 12254-12256
39. LeBlanc, A. Wall, J.S., Kennel, S., Morandi, F., Stuckey, A., Jakoby, B., Townsend, D.W. and Daniel, G.B. (2009) Normal thoracic and abdominal distribution of 2-deoxy-2-[<sup>18</sup>F]-fluoro-D-glucose (<sup>18</sup>FDG) with positron emission tomography in adult cats. *Veterinary Radiology and Ultrasound*, **50**, (4), 436-441
40. Wall, J.S., Kennel, S.J., Stuckey, A.C., Long, M.J., Townsend, D.W., Smith, G.T., Wells, K.J., Fu, Y., Stabin, M.G., Weiss, D.T., and Solomon, A. (2010) Radioimmuno-detection of amyloid deposits in patients with AL amyloidosis. *Blood*, **116**, (13), 2241-2244. Epub 2010 Jun 3. (Front cover image)
41. Kennel, S.J. Huang, Y., Zeng, W-B., Stuckey, A. and Wall, J.S. (2010) Kinetics of vascular targeted monoclonal antibody, *Current Drug Delivery*, **7**, (5), 428-435
42. Phipps, J., Kestler, D.P., Foster, J.S., Kennel, S.J., Donnell, R. Weiss, D.T., Solomon, A., and Wall, J.S. (2010) Inhibition of pathologic immunoglobulin free light chain production by small interfering RNA molecules. *Experimental Hematology*, **38**, (11), 1006-1013. Epub 2010 Jul 14.
43. Davern, S. Murphy, C.L., O’Neill, H., Wall, J.S., Weiss, D.T., and Solomon, A. (2010) Effect of Lysine Modification on the Stability and Cellular Binding of Human Amyloidogenic Light Chains, *Biochimica et Biophysica Acta- Molecular Basis of Disease*, **1812**, (1), 32-40. Epub 2010 Aug 6

44. Nicole C. Smits, N.C., Kurup, S., Rops, A.L., ten Dam, G.B., Hafmans, T., Turnbull, J.E., Spillmann, D., Li, J-P., Kennel, S.J., Wall, J.S., Shworak, N.W., Dekhuijzen, P.N.R., van der Vlag, J., and van Kuppevelt, T.H. (2010) A rare, highly sulfated heparan sulfate sequence (GlcNS6S-IdoA2S)<sub>3</sub> has a strict topography and is involved in cell behavior and disease, *J. Biol. Chem.* **285**, (52), 41143-41151. Epub 2010 Sep 13.
45. G. Samaan, D. Yugo, S. Rajagopalan, J. Wall, R. Donnell, D. Goldowitz, R. Gopalakrishnan, and S. Venkatachalam (2010). *Foxn3* is essential for craniofacial development in mice and a putative candidate involved in human congenital craniofacial defects. *Biochem. Biophys. Res. Com.* **400**, (1), 60-65.
46. Souza, M., Wall, J.S., Stuckey, A., and Daniel, G. (2011) Static and dynamic <sup>18</sup>F-FDG-PET in normal Hispaniolan Amazon parrots (*Amazona ventralis*), *Veterinary Radiology and Ultrasound*, 2011 May-Jun;52(3):340-4. doi: 10.1111/j.1740-8261.2010.01793.x. Epub 2010 Dec 28
47. Lyons, J.A., Dickson, P., Wall, J., Passage, M., Ellinwood, N.M., Kakkis, E.D, and McEntee, M.F. (2011) Arterial Pathology in Canine Mucopolysaccharidosis I and Response to Therapy, *Laboratory Investigation*, 2011 May;91(5):665-74. Epub 2011 Mar 7.
- 48 Woodward, J., Kennel, S., Stuckey, A., Osborne, D., Wall, J., Rondinone, A., Standaert, R., and Mirzadeh, S. (2011) LaPO<sub>4</sub> nanoparticles doped with actinium-225 that partially sequester daughter radionuclides, *Bioconjugate Chemistry*, Apr 20; **22** (4):766-76. Epub 2011 Mar 24
- 49 Stuart, C.A., Ross, I.R., Howell, M.E.A., McCurry, M.P., Wood, T.G., Ceci, J.D., Kennel S.J., and Wall, J.S. (2011) Brain glucose transporter (Glut3) haploinsufficiency does not impair mouse brain glucose uptake, *Brain Research*, **1384**, 15-22.
- 50 Kestler, D., Foster, J.S., Bruker, C.T., Prenshaw, J.W, Kennel, S.J., Wall, J.S., Weiss, D.T., and Solomon, A. (2011) ODAM Expression Inhibits Human Breast Cancer Tumorigenesis, *Breast Cancer: Basic and Clinical Research*, 2011, 573-85.
51. Jonathan S. Wall, Tina Richey, Alan Stuckey, Robert Donnell, Sallie Macy, Emily B. Martin, Angela Williams, and Stephen J. Kennel (2011) *In vivo* molecular imaging of peripheral amyloidosis using heparin-binding peptides, *PNAS*, 2011 Aug 23;**108**(34):E586-94. Epub 2011 Aug 1.
52. Jonathan S. Wall, Stephen J. Kennel, Tina Richey, Amy Allen, Alan Stuckey, Deborah T. Weiss, Sallie Macy, Robin Barbour, Peter Seubert, Alan Solomon, and Dale Schenk (2011) Generation and characterization of anti-AA amyloid-specific monoclonal antibodies, *Frontiers in Immunology*, **2**:32. doi: 10.3389/fimmu.2011.00032.

53. Wall, J.S., Richey, T., Stuckey, A., Donnell, R., Oosterhof, A., van Kuppevelt, T.H., Smits, N.C., and Kennel, S.J. (2011) Imaging peripheral amyloid in mice by targeting hyper-sulfated heparan sulfate proteoglycans with specific scFv antibodies, *Nuclear Medicine and Biology*, In press
54. Wall, J.S., Richey, T., Williams, A., Stuckey, A., Martin, E., and Kennel, S.J.K. (2011) Comparative analysis of peptide p5 and serum amyloid P component for imaging AA amyloid in mice using dual-isotope SPECT, *Molecular Imaging and Biology*, In press
55. Wall, J.S., Solomon, A., and Kennel, S.J. (2011) Development and evaluation of agents for targeting visceral amyloid, *Tijdschrift voor Nucleaire Geneeskunde*, In press
56. LeBlanc, A., Miller, A.N., Galyon, G.D., Moyers, T.D., Long, M.J., Stuckey, A.C., Wall, J.S., and Morandi, F. (2011) Utility of Serial  $^{18}\text{F}$ FDG-PET/CT to Assess Response to Receptor Tyrosine Kinase Inhibition in Canine Cancer, *Veterinary Radiology and Ultrasound*. Submitted

ABSTRACTS AS POSTER OR ORAL PRESENTATIONS (2002-present):

1. Ichiki, A.T., Schimmel, S.F., Wall, J.S., Gerard, D.A., Donnell, R.L., and Kestler, D.P. (2002) Gleevec induces cell-cell interaction, adherence, and differentiation of K-562 cells. *Blood* 100(11):176b, (Abst. #4202).
2. Ichiki, A.T., Wall, J.S., Gerard, D.A., Kestler, D.P., Schimmel, S.F., and Hanna, W.T. (2003) Gleevec induces differentiation of K-562 cells by the *de novo* synthesis of myeloperoxidase. *Cancer Research* 44:1077, 2003 (Abst. #4696).
3. Paulus, M., Gleason, S., Goddard, J., Kennel, S., Wall, J.S., Solomon, A., Gregor, J., *et al.*, (2003) Initial results with a small animal microSPECT/CT imaging system. *High-resolution Molecular Imaging in Small Animals (IMI/HiRes)*, Madrid, Spain, Sept
4. Yap, J.T., Wall, J.S., Kennel, S.J., Solomon, A. and Townsend, D.W. (2005) Evaluation of [<sup>124</sup>I]11-1F4, a novel PET radiotracer for imaging systemic amyloid disease. *Academy of Molecular Imaging Annual Meeting*, Orlando, FL., March 19-23
5. Yap, J.T., Wall, J.S., Kennel, S.J., Smith, A.M., Siegal, S.B., Solomon, A and Townsend, D.W. (2005) Improved visualization and quantification of small animal imaging with co-registered PET/CT and microPET. *Academy of Molecular Imaging Annual Meeting*, Orlando, FL., March 19-23
6. Deniz Aykac, Jeffery Price, and Jonathan Wall (2005) 3D Segmentation of the Mouse Spleen in microCT via Active Contours. *IEEE Medical Imaging Conference (MIC)*, Puerto Rico, October 23-29. Selected as 1 of 20 "outstanding" premium posters from approximately 330 submissions at the 2005 MIC.
7. Davern S., Murphy C., Bohne S., Wall J., Solomon A. (2005) Pathogenesis of Light Chain Amyloidosis. *45<sup>th</sup> Annual American Society for Cell Biology*, San Francisco, CA, December 10-14
8. Gregor, J., Black, N. and Wall, J.S. (2006) Scatter and Attenuation Correction: Need and Impact When Imaging Mice Using <sup>125</sup>I Versus <sup>99m</sup>Tc. *2<sup>nd</sup> Biennial Workshop on Small-Animal SPECT Imaging*, Tucson, AZ, March 8-10
9. O'Nuallain, B., Hrcic, R., Wall, J.S., Weiss, D.T., and Solomon, A. (2006) Anti-amyloid reactivity of enriched IgIV. *Annual Meeting of the American Association of Immunologists: Immunology* 2006, Boston, MA, May 12-16
10. Souza, M.J., Greenacre, C.B., Jones, M.J., Hadley, T.L., Adams, W.H., Avenell, J.S., Wall, J.S. and Daniel, G.B. (2006) "Clinical Use of MicroPET and CT Imaging in Birds." *Annual Conference for the Association of Avian Veterinarians*, San Antonio, TX, August 6-10

11. Austin, D.W., Paulus, M.J., Gleason, S.S., Mintzer, R.A., Siegel, S.B., Figueroa, S.D., Hoffman, T.J. and Wall, J.S. (2006) Design and performance of a novel SPECT detector for multimodality small animal imaging platforms. *IEEE NSS-MIC 2006*, San Diego CA. October 29- November 4
12. Guglielmo, C.G., Wall, J.S., Nahmias, C., Townsend, D. And Smith, G. (2006) [<sup>14</sup>C]methyl tetrahydrofolate: a model for imaging hyperproliferation *in vivo* with <sup>11</sup>C derivatives of folic acid. *BioImaging Symposium 2006*, Memphis Tennessee, October 26-27.
13. Rondinone, A., Kennel, S.J., Woodward, J., Mirzadeh, S., Dai, S., Wall, J.S., Avenell, J. and Richey, T. (2006) In vivo SPECT/CT imaging and biodistribution using radioactive Cd(Te-125m)/ZnS nanoparticles. *58<sup>th</sup> Southeast Regional ACS Meeting*, Augusta, GA. November 1-4
14. Kennel SJ, Richey T, Avenell J, Allen A, Hawkins PN, Solomon A and Wall JS. (2006) Advances in non-invasive imaging of AA amyloidosis in mice. *XIth International Meeting on Amyloid and Amyloidosis, Woods Hole, MA.* November 5-9
15. Phipps JE, Foster JS, Kestler D, Solomon A and Wall JS. (2006) *In vitro* silencing of the amyloidogenic  $\nu\lambda 6$  light chain: Wil. *XIth International Meeting on Amyloid and Amyloidosis, Woods Hole, MA.* November 5-9
16. Wall JS. Kennel SJ, Richey T, Avenell J, and Solomon A. (2006) Imaging Human AL Amyloid in Mice Using the Fibril-Reactive Monoclonal Antibody 11-1F4. *XIth International Meeting on Amyloid and Amyloidosis, Woods Hole, MA.* November 5-9
17. Price, J.R., Aykac, D. and Wall, J. S. (2007) Improvements in level set segmentation of 3D small animal imagery. *SPIE Med. Imaging 2007*, San Diego, CA. February 16-21.
18. Guglielmo, C., Wall, J.S., Nahmias, C., Townsend, D. and Smith, G. (2007) An in vitro model validating the use of <sup>11</sup>C labelled tetrahydrofolate derivatives as novel radiopharmaceuticals for imaging DNA proliferation in vivo. *Society for Nuclear Medicine's 54<sup>th</sup> Annual Meeting*, Washington DC, June 2-6
19. Kabalka, G., Yao, M-L., O'Nuallain, B. and Wall, J.S. (2007) Preparation and preliminary evaluation of <sup>123</sup>I-labeled curcumin, a potential amyloid imaging agent. *17th International Symposium on Radiopharmaceutical Sciences*, Aachen, Germany, April 30 – May 4.
20. Phipps, J, Foster, S., Kestler, D., Solomon, A. and Wall, JS. (2007) Inhibition of Bence-Jones protein synthesis by RNA interference. *Immunology 2007- 94<sup>th</sup> Annual Meeting of the Association of Immunologists*, Miami Beach, FL, May 18-22

21. Gregor, J., Black, N., and Wall, J.S. (2007) Monte Carlo study of scatter and attenuation effects in connection with I-125 pinhole imaging of mice. *9th International Meeting on Fully Three Dimensional Image Reconstruction in Radiology and Nuclear Medicine*, Lindau, Germany, July 9-13
22. Wall, J.S., Avenell, J., Richey, T., Solomon, A. and Kennel, S.J. (2007) Development of <sup>99m</sup>Tc-labeled serum amyloid P component as a novel SPECT agent for imaging peripheral amyloid deposits. *AMI/SMI Joint Molecular Imaging Conference*, Providence, RI, September 6-11
23. Wall, J.S., Avenell, J., Richey, T., Allen, A., Kennel, S.J. and Solomon, A. (2007) PET/CT imaging of <sup>124</sup>I-labeled 11-1F4 antibody in AL amyloid deposits in mice. *AMI/SMI Joint Molecular Imaging Conference*, Providence, RI, September 6-11
24. Kennel, S.J., Woodward, J., Mirzadeh, S., Wall, J.S. and Rondinone, A.J. (2007) Effects of macrophage depletion on biodistribution of Cd125mTe nanoparticles targeted with monoclonal antibody. *AMI/SMI Joint Molecular Imaging Conference*, Providence, RI, September 6-11
25. Zeng, W., Yao, M., Townsend, D., Kabalka, G., Wall, J.S. and Miao, W. (2008) Synthesis and biological evaluation of a radiolabeled dansylhydrazone derivative as an imaging agent for apoptosis. *Society of Nuclear Medicine 2008 Annual Meeting*, New Orleans, LO, June 14-18<sup>th</sup>.
26. Zeng, W., Yao, M., Townsend, D., Kabalka, G., Wall, J.S., Le Puil, M., Biggerstaff, J. and Miao, W. (2008) Synthesis and biological evaluation of a radiolabeled dansylhydrazone derivative as an imaging agent for apoptosis. *Society of Nuclear Medicine 2008 Annual Meeting*, New Orleans, LO, June 14-18<sup>th</sup>.
27. Rowe, E., Wall, J.S. and Wetzel, R. (2008) Demecolcine treatment reveals multiple pathways of polyglutamine aggregation. *Hereditary Disease Foundation: "The Milton Wexlar Celebration of Life Symposium"*, Cambridge, MA, August 8-10<sup>th</sup>.
28. W. Zeng, M. Yao, D. Townsend, G. Kabalka, J. Wall, W. Miao (2008) Synthesis and biological evaluation of a radiolabeled dansylhydrazone derivative as an imaging agent for apoptosis. *236<sup>th</sup> American Chemical Society National Meeting and Exposition*, Philadelphia, PA, August 17<sup>th</sup> – 21<sup>st</sup>.
29. Kabalka, G., Yao, M-L., Wall, J.S., and O’Nuallain, B. (2008) Synthesis of iodine-123 labeled curcumin as a potential amyloid imaging agent. *236<sup>th</sup> American Chemical Society National Meeting and Exposition*, Philadelphia, PA, August 17<sup>th</sup> – 21<sup>st</sup>
30. Woodward, J. D.; Kennel, S. J.; Mirzadeh, S.; Dai, S.; Wall, J. S.; Richey, T.; Huang, Y.; Avenell, J.; Rondinone, A. J. (2008) In vivo SPECT/CT imaging and

biodistribution using radioactive CdTe-125mTe/ZnS nanoparticles. 236<sup>th</sup> *American Chemical Society National Meeting and Exposition*, Philadelphia, PA, August 17<sup>th</sup> – 21<sup>st</sup>

31. Wall, J.S., Richey, T., Stuckey, A., Oosterhof, A., van Kuppevelt, T., Solomon, A. and Kennel, S.J. (2008) SPECT Imaging of Systemic Amyloidosis with <sup>125</sup>I-scFv to Heparan Sulfate. *World Molecular Imaging Conference*, Nice, France, September 10-13<sup>th</sup>.

32. Wall, J.S., Richey, T., Stuckey, A., Hawkins, P.N., Solomon, A. and Kennel, S.J. (2008) Kinetics of <sup>124</sup>I-SAP Distribution in Amyloid-Bearing Mice Using Dynamic MicroPET. *World Molecular Imaging Conference*, Nice, France, September 10-13<sup>th</sup>.

33. Wall, J.S., Richey, T., Stuckey, A., Seubert, P., Barbour, R., Schenk, D., Solomon, A. and Kennel, S.J. (2008) Amyloid-Specific SPECT Immunoimaging of Systemic AA Amyloidosis. *World Molecular Imaging Conference*, Nice, France, September 10-13<sup>th</sup>.

34. Wall, J.S., Richey, T., Stuckey, A., Avenell, J., Kennel, S.J. Townsend, D., Jakoby, B., Morandi, F., Jones, M., Greenacre, C., Souza, M. and LeBlanc, A. (2008) Clinical Diagnostic Veterinary Imaging Using MicroPET and MicroCT Platforms. *World Molecular Imaging Conference*, Nice, France, September 10-13<sup>th</sup>.

35. Kestler, D.P., Foster, J.S., Patton, A., Siddiqui, S., Bell, J.L., Panella, T.J., Murphy, C.L., Macy, S.D., Wall, J.S. and Solomon, A. (2008) ODAM as a diagnostic and therapeutic target for breast cancer. 2<sup>nd</sup> *World Conference on Magic Bullets (Ehrlich II)*, Nurnberg, Germany, October 3<sup>rd</sup> -5<sup>th</sup>.

36. Morandi F., LeBlanc A.K., Wall J., Stuckey A., Bjoern, J., Townsend D., Daniel G.B. (2008) Normal thoracic and abdominal distribution of 2-deoxy-2-[<sup>18</sup>F]fluoro-D-glucose (<sup>18</sup>FDG) with positron emission tomography in adult cats. *2008 Annual Scientific Meeting of the American College of Veterinary Radiology*, San Antonio, TX, October 21<sup>st</sup>-25<sup>th</sup>.

37. Souza, M.J., Wall, J.S., Daniel, G.D. (2009) Positron Emission Tomography in normal Hispaniolan Amazon Parrots (*Amazona ventralis*). *10<sup>th</sup> European Association of Avian Veterinarians & 8<sup>th</sup> European College of Avian Medicine and Surgery, Conference*, Antwerp, Belgium, March 17<sup>th</sup>-21<sup>st</sup>.

38. Wall, J.S., Kennel, S.J., Stuckey, A., Townsend, D., Smith, G.T., Wells, K.J., Stabin, M., Creekmore, S., Solomon, A. (2009). Phase I clinical PET imaging of AL amyloid using an <sup>124</sup>I-labeled amyloid-reactive monoclonal antibody. *Society of Nuclear Medicine 2009 Annual Meeting*, Toronto, Canada, June 13<sup>th</sup>-17<sup>th</sup>. *J Nucl Med.* 2009; 50 (Supplement 2):545

39. Kennel, S.J., Mirzadeh, S., Zeng, W, Stuckey, A, Townsend, D. and Wall, J. (2009). Kinetics of uptake of radioiodinated MAb to a target in the vascular space. *2009 World Molecular Imaging Congress*, Montreal, Canada, September 23<sup>rd</sup> - 26<sup>th</sup>.

40. Wall, J., Kennel, S., Richey, T., Stuckey, A., Macy, S., Townsend, D., Jakoby, B. Wells, K., Smith, G., and Solomon, A. (2009). Clinical validation of experimental radioimmunoinaging of human AL amyloid deposits. *2009 World Molecular Imaging Congress*, Montreal, Canada, September 23<sup>rd</sup> - 26<sup>th</sup>.
41. Wall, J., Richey, T., Stuckey, A., Paulus, E., Solomon, A. and Kennel, S. (2009). Altered distribution of AA amyloid pathology in immunocompromized mice: A quantitative SPECT imaging study. *2009 World Molecular Imaging Congress*, Montreal, Canada, September 23<sup>rd</sup> - 26<sup>th</sup>.
42. Wall, J., Kennel, S., Richey, T., Stuckey, A., Macy, S., Barbour, R., Seubert, P., Solomon, A. and Schenk, D. (2009). SPECT imaging of AL amyloid in mice using an antibody to a fibril-specific, cryptic epitope. *2009 World Molecular Imaging Congress*, Montreal, Canada, September 23<sup>rd</sup> - 26<sup>th</sup>.
43. Rowe, E.L., Koeppen, H.P., Stuckey, A., Kabalka, G.W., Kenel, S.J., Wall, J.S., and Berthelie, V. (2009) Curcumin: A Huntingtin-exon 1 fibril multi-tasking agent. *Neuroscience 2009*, Chicago, IL, October 17<sup>th</sup> – 21<sup>st</sup>.
44. M.F. McEntee, J. Lyons, P. Dickson, M. Passage, J. Wall, E. Kakkis (2009) Vasculopathy associated with the storage disease mucopolysaccharidosis-I. *American College of Veterinary Pathology*, Monterey, CA, December 5<sup>th</sup> – 9<sup>th</sup> 2009
45. Jonathan S. Wall, Tina Richey, Alan Stuckey, Peter Seubert, Robin Barbour, Dale Schenk, Alan Solomon and Stephen J. Kennel (2010) Immunoimaging of AA amyloid Using a Novel Amyloid-Specific Tracer. *XII International Symposium on Amyloidosis*, Rome, Italy, April 18<sup>th</sup> - 21<sup>st</sup> 2010
46. Jonathan S. Wall, Tina Richey, Alan Stuckey, Alan Solomon and Stephen J. Kennel (2010) Rapid Dehalogenation of 124I-SAP in Mice Enhances the Specific Detection of Amyloid: A Dynamic microPET Imaging Study. *XII International Symposium on Amyloidosis*, Rome, Italy, April 18<sup>th</sup> - 21<sup>st</sup> 2010
47. Jonathan S. Wall, Tina Richey, Alan Stuckey, Stephen J. Kennel and Alan Solomon (2010) Quantitative Analysis of Amyloid Mass in Mice by Image Segmentation. *XII International Symposium on Amyloidosis*, Rome, Italy, April 18<sup>th</sup> - 21<sup>st</sup> 2010
48. Jonathan S. Wall, Tina Richey, Philip Hawkins, Alan Solomon and Stephen J. Kennel (2010) 99mTc-Labeled Serum Amyloid P Component as a Tool for Evaluating Novel Amyloid Imaging Agents. *XII International Symposium on Amyloidosis*, Rome, Italy, April 18<sup>th</sup> - 21<sup>st</sup> 2010
49. Jonathan S. Wall, Tina Richey, Alan Stuckey, Arie Oosterhof, Toin van Kuppevelt, Robert Donnell, Alan Solomon and Stephen J. Kennel (2010) Biodistribution of 125I-

labeled Heparan Sulfate-Reactive scFv to in AA Amyloidotic mice. *XII International Symposium on Amyloidosis*, Rome, Italy, April 18<sup>th</sup> - 21<sup>st</sup> 2010

50. Jonathan S. Wall, Stephen J. Kennel, Alan Stuckey, David W. Townsend, Karen Wells, Michael G. Stabin, and Alan Solomon (2010) The Fibril-Reactive Antibody 11-1F4 Co-localizes with Amyloid in Patients with AL Amyloidosis. *XII International Symposium on Amyloidosis*, Rome, Italy, April 18<sup>th</sup> - 21<sup>st</sup> 2010

51. Jonathan S. Wall, Tina Richey, Alan Stuckey, Robert Donnell, Emily Martin, Alan Solomon and Stephen J. Kennel (2010) 125I-labeled, Heparin-Reactive Protamine as a Novel Amyloid Imaging Reagent. *XII International Symposium on Amyloidosis*, Rome, Italy, April 18<sup>th</sup> - 21<sup>st</sup> 2010

52. Jonathan S. Wall, Stephen J. Kennel, Alan Stuckey, David W. Townsend, Karen Wells, and Alan Solomon (2010) Radioimmunoimaging of AL amyloidosis. *Society of Nuclear Medicine 2010 Annual Meeting*, Salt Lake City, UT, June 5<sup>th</sup> – 9<sup>th</sup> 2010

53. Jonathan S. Wall, Tina Richey, Alan Stuckey, Robert Donnell, Emily Martin, Alan Solomon and Stephen J. Kennel (2010) Imaging the biodistribution of systemic AA amyloidosis in mice using 125I-labeled protamine. *Society of Nuclear Medicine 2010 Annual Meeting*, Salt Lake City, UT, June 5<sup>th</sup> – 9<sup>th</sup> 2010

54. Akula, M.R., Collier, T.L., Kabalka, G.W., Wall, J.S., Kennel, S.J., Stuckey, A., and LeBlanc, A. (2010) Microfluidic Synthesis of [18F]FLT. *Society of Nuclear Medicine 2010 Annual Meeting*, Salt Lake City, UT, June 5<sup>th</sup> – 9<sup>th</sup> 2010

55. Wells, K.; Wall, J. S.; Fu, Y.; Jakoby, B. W.; Kennel, S. J.; Solomon, A. (2010) Biodistribution of a Novel Radiolabeled Fibril-Reactive Monoclonal Antibody In Patients with Systemic Light Chain (AL) Amyloidosis. *Society of Nuclear Medicine 2010 Annual Meeting*, Salt Lake City, UT, June 5<sup>th</sup> – 9<sup>th</sup> 2010

56. A.K. LeBlanc, F. Morandi, A.N. Miller, J.S. Wall, G.D. Galyon, T.D. Moyers, M.J. Long, and A.C. Stuckey (2010) Serial <sup>18</sup>F-FDG-PET/CT can assess response to receptor tyrosine kinase inhibition in canine cancer. *2010 American College of Veterinary Radiology*, Asheville, NC, August 15<sup>th</sup> -19<sup>th</sup> 2010

57. J. S. Wall, A. Stuckey, S. J. Kennel, T. Richey, F. Morandi, M. Jones, C. Greenacre, M. Souza, and A. LeBlanc (2010) Diagnostic veterinary imaging using micro-imaging platforms. *2010 American College of Veterinary Radiology*, Asheville, NC, August 15<sup>th</sup> -19<sup>th</sup> 2010

58. D. Austin, B. Feng, R. A. Mintzer, M. Chen, J. Gregor, A. Stuckey, and J.S. Wall (2010) Validation of CT-Based Attenuation Correction for Multi-Pinhole PSF Reconstruction for Small Animal SPECT. *2010 IEEE MIC*, Knoxville, TN, November 2<sup>nd</sup> - 6<sup>th</sup> 2010

59. J. S. Wall, T. Richey, E. B. Martin, A. Williams, A. Stuckey, and Stephen J. Kennel (2011) Preclinical validation of a novel peptide radiotracer for detecting amyloidosis. *Society of Nuclear Medicine 2011 Annual Meeting*, San Antonio, TX, June 4<sup>th</sup> – 8<sup>th</sup> 2011
60. J.S. Wall, T. Richey, E. B. Martin, A. Williams, A. Stuckey, and Stephen J. Kennel (2011) The <sup>99m</sup>Tc-p31 peptide offers enhanced amyloid imaging as compared to SAP – A quantitative biodistribution and dual energy SPECT imaging study. *Society of Nuclear Medicine 2011 Annual Meeting*, San Antonio, TX, June 4<sup>th</sup> – 8<sup>th</sup> 2011
61. J.S. Wall, T. Richey, E. B. Martin, A. Stuckey, A. Williams, S. Macy, and Stephen J. Kennel (2011) Biodistribution of amyloid-imaging peptide, p31, correlates with amyloid quantitation based on Congo red tissue staining. *Society of Nuclear Medicine 2011 Annual Meeting*, San Antonio, TX, June 4<sup>th</sup> – 8<sup>th</sup> 2011
62. D. Osborne, A. Stuckey, J.S. Wall (2011) Dose Reduction Techniques for Small Animal CT. *Society of Nuclear Medicine 2011 Annual Meeting*, San Antonio, TX, June 4<sup>th</sup> – 8<sup>th</sup> 2011
63. Wells, K.J., Wall, J.S., Kennel, S.J., Jakoby, B., and Solomon, A. (2011) Radioimmunoimaging of Cardiac Amyloid in Light Chain-Associated (AL) Amyloidosis. *Society of Nuclear Medicine 2011 Annual Meeting*, San Antonio, TX, June 4<sup>th</sup> – 8<sup>th</sup> 2011
64. Michael P. Jones, Federica Morandi, Jon Wall, Misty Long, Alan Stuckey, Amy LeBlanc (2011) Normal Coelomic Distribution of 2-deoxy-2-[18F] Fluoro-D-Glucose (<sup>18</sup>FDG) in Normal Adult Bald Eagles (*Haliaeetus leucocephalus*). *32nd Annual AAV Conference & Expo with AEMV*, Seattle, WA, August 6<sup>th</sup> – 12<sup>th</sup> 2011.
65. Stephen J. Kennel, Jonathan Woodward, Robert Standaert, Alan Stuckey, Jonathan Wall, and Saed Mirzadeh (2011) Retention *in vivo* of daughter radioisotopes of Ac-225 sequestered in LaPO<sub>4</sub> nanoparticles. *The 7<sup>th</sup> Symposium on Targeted Alpha Therapy*, Berlin, Germany, July 17<sup>th</sup> – 19<sup>th</sup> 2011
66. Emily Martin, Jonathan S. Wall, Federica Morandi, Misty J. Long, Cheryl Kojima, and Amy K. LeBlanc (2011) Volumetric quantitation of regional adiposity in miniature swine using segmented CT data. *2011 World Molecular Imaging Congress*, San Diego, CA, September 7<sup>th</sup> – 10<sup>th</sup> 2011
68. Jonathan S. Wall, Tina Richey, Alan Stuckey, Angela Williams, Ying Huang, Emily Martin, Sallie Macy, and Stephen J. Kennel (2011) Hypersulfated heparan sulfate glycosaminoglycans – Novel cerebral and visceral amyloid-associated biomarkers in mouse and man that can be targeted with the heparin-binding peptide p5. *2011 World Molecular Imaging Congress*, San Diego, CA, September 7<sup>th</sup> – 10<sup>th</sup> 2011

69. Jonathan S. Wall, Emily Martin, Tina Richey, Alan Stuckey, Dustin Osborne, and Stephen J. Kennel (2011) Stable and rapid binding of  $^{124}\text{I}$ -labeled peptide p5 to visceral amyloid *in vivo* as evidenced by dynamic PET imaging. *2011 World Molecular Imaging Congress*, San Diego, CA, September 7<sup>th</sup> – 10<sup>th</sup> 2011

70. Jonathan S. Wall, Amy K. LeBlanc, Tina Richey, Alan Stuckey, Murthy Akula, George Kabalka, Emily Martin, Sallie Macy, and Stephen J. Kennel (2011) *In vitro* and *in vivo* reactivity of heparin-binding peptides with human and murine tumors. *2011 World Molecular Imaging Congress*, San Diego, CA, September 7<sup>th</sup> – 10<sup>th</sup> 2011

71. Stephen J. Kennel, Tina Richey, Alan Stuckey, Ying Huang, Murthy Akula, George Kabalka, Emily Martin, Eric Heidel, Gabor Tigyi, Amy K. LeBlanc, and Jonathan S. Wall (2011) Manual quantitation of B16F10 pulmonary tumor colonies in mice correlates with  $^{18}\text{F}$ FLT uptake. *2011 World Molecular Imaging Congress*, San Diego, CA, September 7<sup>th</sup> – 10<sup>th</sup> 2011

72. Jonathan S. Wall, Tina Richey, Alan Stuckey, Angela Williams, Ying Huang, Emily Martin, and Stephen J. Kennel (2011) Optimization of a novel peptide tracer for the detection of visceral amyloidosis by comparative dual energy SPECT imaging. *2011 World Molecular Imaging Congress*, San Diego, CA, September 7<sup>th</sup> – 10<sup>th</sup> 2011

73. Jonathan S. Wall, Amy K. LeBlanc, Tina Richey, Alan Stuckey, Emily Martin, Sallie Macy, Robert Donnell, and Stephen J. Kennel (2011) Specific binding of heparin-reactive peptides with melanoma *in vitro* and *in vivo*. *2011 International Melanoma Congress*, Tampa Bay, FL, November 9<sup>th</sup> - 11<sup>th</sup> 2011

## PUBLISHED PROCEEDINGS:

1. Wall, J.S., Schell, M., Murphy, C.L. and Solomon, A. (1999) Comparison of Recombinant  $\lambda 6 V_L$  Proteins- Chemical and Thermal Stability Correlates with Fibrillogenic Potential. In: *Amyloid and Amyloidosis 1998*. Robert Kyle and Morie Gertz Eds. Parthenon Publishing, New York, 1999, pp. 35-37.
2. Hrcic, R., Wall, J.S., Murphy, C.L. and Solomon, A. (1999). Dissolution of Human Amyloid Extract in the Mouse. In: *Amyloid and Amyloidosis 1998*. Robert Kyle and Morie Gertz Eds. Parthenon Publishing, New York, 1999, pp. 166-168.
3. Hrcic, R., Murphy, C.L., Wall, J.S., Weiss, D.T. and Solomon, A. (1999) Ocular AL Amyloidosis. In: *Amyloid and Amyloidosis 1998*. Robert Kyle and Morie Gertz Eds. Parthenon Publishing, New York, 1999, pp.518-520.
4. Solomon, A., Weiss, D.T., Murphy, C.L., Hrcic, R., Wall, J.S. and Schell, M. (1999) Novel Composition of AL Amyloid Fibrils. In: *Amyloid and Amyloidosis 1998*. Robert Kyle and Morie Gertz Eds. Parthenon Publishing, New York, 1999, pp.59-61.
5. Wall, J.S., Schell, M. Hrcic, R., Macy, S., Wooliver, C., Wolfenbarger, D., Murphy, C., Donnell, R., Weiss, D.T. and Solomon, A. (2001) Treatment of Amyloidosis using an anti-fibril monoclonal antibody: Pre-clinical efficacy in a murine model of AA-amyloidosis. *Amyloid and Amyloidosis 2001- Proc. IX<sup>th</sup> International Symposium on Amyloidosis*, 158-160.
6. Schell, M. Wall, J.S., Macy, S., Wooliver, C., Wolfenbarger, D., Weiss, D.T. and Solomon, A. (2001) Prevention of AA-amyloidosis by active immunotherapy. *Amyloid and Amyloidosis 2001- Proc. IX<sup>th</sup> International Symposium on Amyloidosis*, 146-148.
7. Hrcic, R., Wolfenbarger, D., Macy, S., Wooliver, C., Wall, J.S., Weiss, D.T. and Solomon, A. (2001) Vaccine-based therapy for primary (AL) amyloidosis. *Amyloid and Amyloidosis 2001- Proc. IX<sup>th</sup> International Symposium on Amyloidosis*, 234-235.
8. Solomon, A., Weiss, D.T. and Wall, J.S. (2001) Primary (AL) amyloidosis: Recent discoveries regarding pathogenesis, diagnosis, and pretreatment. *Amyloid and Amyloidosis 2001*. Miklos Bely and Agnes Apathy eds. Agnes Apathy Publishing, Budapest, pp.256-262.
9. Wall, J.S., Paulus, M.J., Kennel, S.J., Gleason, S., Baba, J., Gregor, J., Wolfenbarger, D.A., Weiss, D.T. and Solomon, A. (2004) Radioimaging of primary (AL) amyloidosis with an amyloid-reactive monoclonal antibody. *Amyloid and Amyloidosis 2004*. Giles Grateau, Robert Kyle and Martha Skinner, eds., CRC Press Florida, pp. 37-39

10. Wall, J.S., Murphy, C.L., Tomaszewski, A., Crombie, B. and Solomon, A. (2004) Structural localization of light chain amyloidogenicity. *Amyloid and Amyloidosis 2004*. Giles Grateau, Robert Kyle and Martha Skinner, eds., CRC Press Florida, pp. 52-54
11. Solomon, A., Weiss, D.T. and Wall, J.S. (2004) Immunotherapy of AL amyloidosis. *Amyloid and Amyloidosis 2004*. Giles Grateau, Robert Kyle and Martha Skinner, eds., CRC Press Florida, pp. 479-481
12. O’Nuallain, B., Murphy, C.L., Wolfenbarger, D.A., Kennel, S.J., Solomon, A. and Wall, J.S. (2004) The Amyloid reactive antibody 11-1F4 binds a cryptic epitope on fibrils and partially denatured immunoglobulin light chain and inhibits fibrillogenesis. *Amyloid and Amyloidosis 2004*. Giles Grateau, Robert Kyle and Martha Skinner, eds., CRC Press Florida, pp. 482-484
13. Gregor, J., Gleason, S., Kennel, S., Paulus, M., Benson, T., and Wall, J.S. (2004) "Approximate volumetric system models for microSPECT", *Proceedings of IEEE NSS/MIC 2004 Annual meeting*, Rome, Italy: IEEE Nuclear Symposium 1082-3654; 2004; **5**, pp 2575-2578, Oct
14. Yap, J.T., Hall, N.C., Townsend, D.W., Wall, J.S., Solomon, A., Kabalka, G.W., Kennel, S.J., Newport, D.F., Siegel, S.B., Bailey, D., Smith, A.M. and Nutt, R.E. (2004) "M5-154 Combined clinical PET/CT and microPET small animal imaging." *Proceedings of IEEE NSS/MIC 2004 Annual meeting*, Rome, Italy: IEEE Nuclear Symposium 1082-3654; 2004; **5**, pp. 2995-2998.
15. Foster, J.A., Kestler, D.P., Murphy, C.L., Kennel, S.J., Wall, J.S., Weiss, D.T. and Solomon, A. (2007) Amyloidogenic region of odontogenic ameloblast associated protein (ODAM), *XIth International Symposium on Amyloidosis*. and Martha Skinner, M., Berk, J., Connors, L.H., Seldin, D.C.eds., CRC Press Florida, pp. 59-61
16. Kennel, S.J., Richey, T., Avenell, J., Hawkins, P.N., Solomon, A. and Wall, J.S. (2007) Advances in non-invasive imaging of AA amyloid in mice, *XIth International Symposium on Amyloidosis*. and Martha Skinner, M., Berk, J., Connors, L.H., Seldin, D.C.eds., CRC Press Florida, pp. 65-67
17. Richey, T., Murphy, T., Wall, J.S., Westermark, G.T., Westermark, P., Weiss, D.T. and Solomon, A. (2007) Foie gras as a dietary source of AEF, *XIth International Symposium on Amyloidosis*. and Martha Skinner, M., Berk, J., Connors, L.H., Seldin, D.C.eds., CRC Press Florida, pp. 90-92
18. Acero, L., Solomon, A., Wall, J.S. and O’Nuallain (2007) Identification of novel inhibitors of light chain fibrillogenesis, *XIth International Symposium on Amyloidosis*. and Martha Skinner, M., Berk, J., Connors, L.H., Seldin, D.C.eds., CRC Press Florida, pp. 222-224

19. Allen, A., Kennel, S.J., Solomon, A., Wall, J.S. and O’Nuallain (2007) Peptide phage display and epitope mapping of a fibril-related conformational epitope recognized by the 11-1F4 mAb, *XIth International Symposium on Amyloidosis*. and Martha Skinner, M., Berk, J., Connors, L.H., Seldin, D.C.ed.s., CRC Press Florida, pp. 225-227
20. O’Nuallain, B., Allen, A., Richey, Wall, J.S., Weiss, D.T. and Solomon, A. (2007) Therapeutic potential of naturally occurring fibril-reactive human antibodies for AL amyloidosis, *XIth International Symposium on Amyloidosis*. and Martha Skinner, M., Berk, J., Connors, L.H., Seldin, D.C.ed.s., CRC Press Florida, pp. 278-280
21. Phipps, J., Foster, J.A., Kestler, D.P., Solomon, A. and Wall, J.S. (2007) *In vitro* silencing of amyloidogenic  $\lambda$ 6 light chain production, *XIth International Symposium on Amyloidosis*. and Martha Skinner, M., Berk, J., Connors, L.H., Seldin, D.C.ed.s., CRC Press Florida, pp. 286-288
22. Wall, J.S., Kennel, S.J., Richey, T., Avenell, and Solomon, A. (2007) Imaging human AL amyloid in mice using the fibril-reactive monoclonal antibody 11-1F4, *XIth International Symposium on Amyloidosis*. and Martha Skinner, M., Berk, J., Connors, L.H., Seldin, D.C.ed.s., CRC Press Florida, pp. 315-317