

# Curriculum Vitae

## Jolanta Kowalewska, MD, PhD

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### Education

Ph.D., Medical University of Bialystok, Bialystok, Poland	05/2009 – 05/2010
Research fellowship, Renal pathology, University of Washington, Seattle, WA	07/2003 – 06-2005
Fellowship, Renal pathology, University of Washington, Seattle, WA	07-2002 – 06/2003
AP/CP Residency, Winthrop University Hospital, Mineola, NY	07/1998 – 06/2002
M.D. Medical University of Warsaw, Warsaw, Poland	10/1988 – 05/1995

### Professional Experience

Renal Pathologist Arkana Laboratories Little Rock, AR	01/12/2026 - present
Renal Pathologist AmeriPath/Quest Diagnostics Oklahoma City, OK	10/2022 – 01/11/2026
Renal Pathologist Pathology Sciences Medical Group Norfolk, VA	12/2015 – 01/2022
Renal Pathologist Cedars-Sinai Medical Center Los Angeles, CA	07/2013 – 08/2014
Staff Pathologist Medical University of Bialystok Bialystok, Poland	02/2010 – 07/2013
Renal Pathologist University of Washington Seattle, WA	07/2005 – 12/2009

### Certification and Licensure

Diplomate, Anatomic / Clinical Pathology	2004
Subspecialty: Renal pathology	2003

#### State Medical License

- Arizona (active)
- California (active)
- Colorado (active)
- Florida (active)
- Georgia (active)
- Illinois (active)

- Kentucky (active)
- Maryland (active)
- North Carolina (active)
- Ohio (active)
- Oklahoma (active)
- Virginia (active)
- Tennessee (active)
- Washington (inactive)
- New Mexico (inactive)

Biorepository Inspector Certificate

07/2019

### **Academic Appointments**

Associate Professor  
(community)  
Department of Pathology and Anatomy  
EVMS  
Norfolk, VA

07/2021 – present

Associate Professor  
Department of Pathology and Anatomy  
EVMS  
Norfolk, VA

02/2016 – 6/2021

Associate Professor  
Department of Pathology  
Cedars-Sinai Medical Center  
Los Angeles, CA

2014 – 2014

Associate Professor  
Department of Pathology  
Medical University of Bialystok  
Bialystok, Poland

2010 – 2013

Assistant Professor  
Department of Pathology  
University of Washington  
Seattle, WA

2005 – 2011

### **Administrative Position**

Associate Medical Director, Pathology Assistant's program, EVMS  
Director, Pathophysiology Course, Pathology Assistant's program, EVMS  
Advisory Board, Biorepository, EVMS

07/2017 – 07/2021

07/2019 – 07/2021

07/2017 – present

### **Honors and Awards**

Team Scientific Award, Medical University of Bialystok  
Anatomic Pathology Faculty Member of the Year, University of Washington  
National Kidney Foundation Young Investigator Award

2011 - 2012

2005 - 2006

2003 - 2005

### **Professional Memberships**

Associations of Pathology Chairs	2018 - present
European Society of Pathology	2010 - present
United States and Canadian Academy of Pathology	2002 - present
American Society of Clinical Pathology	2002 - present
College of American Pathology	2002 - present
American Society of Nephrology	2003 - present
Renal Pathology Society	2003 - present
Nephropathology Working Group	2010 - present
Polish Society of Pathology	2010 - present
Polish Society of Histochemistry & Cytochemistry	2010 - 2014
Northwest Renal Society	2002 - 2005

## Professional Service

### National

ASCP Resident Question Bank Committee/PathItems Database Writer	2019 - 2021
ABPath CertLink Item Writer	2019 - 2022
Renal Pathology Working group: Webinar Clinical Case Presentation & Lectures Joint Working Group	2019 - 2020
Renal Pathology Working group: American Board of Pathology (ABP) Questions Working Group	2019 - 2022
Renal Pathology Society Financial Committee	2019 - 2020
Renal Pathology Educational Committee	2012 - 2013
Renal Pathology Membership Committee	2010 - 2011

### International

Moderator: 4th International Renal Pathology Conference, Warsaw, Poland	11/2020
Co-Chair, Renal Pathology Poster Session Committee, Lisbon, Portugal	08/2013
Co-Chair, Nephropathology Working Group and Polish Society of Transplantology "Pathologists meet transplant physicians", Intercongress ESP Meeting, Cracow, Poland	09/2010

### EVMS (Institutional)

Pathologist's Assistant Program Admission Committee	03/2017 - 01/2022
Advisory Board; Pathologist's Assistant Program	03/2017 - 01/2022
Faculty Advisor for Pathology Interest Group	08/2017 - 01/2022
Abdominal Organ Transplant Quality & Advisory Committee	10/2016 - 01/2022

### Editorial Boards:

Research and Techniques: Molecular Pathology	2019-2022
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## Educational Activities

- Eastern Virginia Medical School, Norfolk, VA (2014 - 07/2021):
  - MD program: Heart Lung and Kidney module, Hormones-Reproductive Health module, Gastrointestinal module - lectures, seminars, library small groups
  - PathA, PA, Med Masters, CHOP: pathophysiology (course director), histology
  - PathA: organ system pathology, elements of pediatric pathology and embryology
  - renal pathology case review with nephrology fellow
  - mentoring medical students, nephrology fellows, junior faculty
- Cedars-Sinai Medical Center, Los Angeles, CA (2013-2014): Renal Pathology Teaching: Pathology residents and Nephrology Fellows
- Medical University of Bialystok, Poland (2010 - 2013): General and Organ Pathology Course; Monthly Interdepartmental renal transplant/native biopsy conferences Renal and Uropathology Case Review Conferences, Renal Pathology Teaching: AP residents and Nephrology Fellows
- University of Washington, Seattle, WA (2005 - 2009): Renal Pathology Teaching, house staff and visiting scholars, Nephrology Pathology Conferences, In-service: Immunofluorescence in renal biopsies, In-service:

Electron microscopy in renal biopsies, Renal Pathology Board Review (house staff), Northwest Renal Society Conferences, Renal Pathology Lectures and Seminars: Medical & Dental School students

## Clinical / Quality Improvement Activities

Clinical Activities (if applicable)

- Renal pathologist Pathology Sciences Medical Group, Norfolk, VA 2016 – 01/2022
  - Primary renal pathologist for the Hampton Roads Renal Transplant Program
  - Organizing/presenting at the bi-monthly renal transplant biopsy conference, SNGH 2016 – 01/2022
- Renal Pathologist, Cedars-Sinai Medical Center Los Angeles, CA 07/2013 – 08/2014
- Staff Pathologist, Medical University of Bialystok, Bialystok, Poland 02/2010 – 07/2013
- Renal Pathologist, University of Washington, Seattle, WA 07/2005 – 12/2009

## Research Activities

### Grants and Contract Awards

- 2019 Summer Scholar program: ME9: Students as Partners to Develop an Integrated Pathology Teaching Resource using Innovative Technology Tool (Adaptive Learning Platform) in the MD Program, Dr R. Koteeswaran and Dr J. Kowalewska
- Detection of grafts injury associated markers on archived biopsy samples, Cedars-Sinai Medical Center, 2013-2014, \$150,000.00, PI: Mieko Toyoda, co-investigator: Jolanta Kowalewska (10% effort)
- The significance of the pattern of Tissue injury and platelet activation in C4d positive kidney allografts, Foundation for Polish Science, 2012-2013, \$25,000.00, PI: Jolanta Kowalewska
- Screening for DSA in association with histopathology in kidney allograft biopsies, KBN Poland, 2011-2014, \$100,000.00, PI: Michal Mysliwiec, co-investigator: Jolanta Kowalewska (20% effort)
- Predictive value of capsular end involvement by adenocarcinoma in prostate oligobiopsy, Medical university of Bialystok, 2011-2013, \$15,000.00, PI: Piotr Bernaczyk, co-investigator: Jolanta Kowalewska (10% effort)
- Identification of polyomavirus particles (Hauften) in urine samples using electron microscopy, Medical University of Bialystok, 2010-2012, \$15,000.00, PI: Jolanta Kowalewska
- Pathogenesis od cryoglobulinemic glomerulonephritis, National Kidney Foundation, 2003-2005, \$60,000.00, PI: Jolanta Kowalewska

## Manuscript Reviewer

Ad-Hoc Reviewer:

Academic Pathology  
American Journal of Transplantation  
American Journal of Kidney Diseases  
Archives of Pathology  
Histology and Histopathology  
Human Pathology  
Pathology Research and Practice  
Nature Clinical practice Nephrology  
Folia Histologica et Cytochemica  
Acta Biochemica Polonica  
American Journal of Medical Science  
BMC Nephrology

## Publications

### Peer reviewed articles

1. Chandra S, Davis JM, Drexler S, **Kowalewska J**, Chester D, Koo HC, Pollack S, Welch R, Pilon A, Levine CR: Safety and efficacy of intratracheal recombinant human Clara cell protein in a newborn piglet model of acute lung injury, *Pediatr Res* 2003, 54:509-515.

2. **Kowalewska J**, Tomford RC, Alpers CE: Crystals in podocytes: an unusual manifestation of systemic disease, *Am J Kidney Dis* 2003, 42:605-611.
3. Hingorani SR, Finn LS, **Kowalewska J**, McDonald RA, Eddy AA: Expression of nephrin in acquired forms of nephrotic syndrome in childhood, *Pediatr Nephrol* 2004, 19:300-305.
4. **Kowalewska J**, Yuan S, Sustento-Reodica N, Nicosia RF, Smith KD, Davis CL, Alpers CE: IgA nephropathy with crescents in kidney transplant recipients, *Am J Kidney Dis* 2005, 45:167-175.
5. **Kowalewska J**, Smith KD, Hudkins KL, Chang A, Fogo AB, Houghton D, Leslie D, Aitchison J, Nicosia RF, Alpers CE: Membranous glomerulopathy with spherules: an uncommon variant with obscure pathogenesis, *Am J Kidney Dis* 2006, 47:983-992.
6. Chang A, Peutz-Kootstra CJ, **Kowalewska J**, Logar CM, Gitomer JJ, Davis CL, Shankland SJ, Alpers CE, Smith KD: Giant cell tubulitis with tubular basement membrane immune deposits: a report of two cases after cardiac valve replacement surgery, *Clin J Am Soc Nephrol* 2006, 1:920-924.
7. Chang A, **Kowalewska J**, Smith KD, Nicosia RF, Alpers CE: A clinicopathologic study of thrombotic microangiopathy in the setting of IgA nephropathy, *Clin Nephrol* 2006, 66:397-404.
8. **Kowalewska J**, Muhlfeld AS, Hudkins KL, Yeh MM, Farr AG, Ravetch JV, Alpers CE: Thymic stromal lymphopoietin transgenic mice develop cryoglobulinemia and hepatitis with similarities to human hepatitis C liver disease, *Am J Pathol* 2007, 170:981-989.
9. Iyoda M, Hudkins KL, Wietecha TA, Banas MC, Guo S, Liu G, Wang L, **Kowalewska J**, Alpers CE: All-trans-retinoic acid aggravates cryoglobulin-associated membranoproliferative glomerulonephritis in mice, *Nephrol Dial Transplant* 2007, 22:3451-3461.
10. Chang A, Hingorani S, **Kowalewska J**, Flowers ME, Aneja T, Smith KD, Meehan SM, Nicosia RF, Alpers CE: Spectrum of renal pathology in hematopoietic cell transplantation: a series of 20 patients and review of the literature, *Clin J Am Soc Nephrol* 2007, 2:1014-1023.
11. Bracamonte E, Leca N, Smith KD, Nicosia RF, Nickleit V, Kendrick E, Furmanczyk PS, Davis CL, Alpers CE, **Kowalewska J**: Tubular basement membrane immune deposits in association with BK polyomavirus nephropathy, *Am J Transplant* 2007, 7:1552-1560.
12. Banas MC, Parks WT, Hudkins KL, Banas B, Holdren M, Iyoda M, Wietecha TA, **Kowalewska J**, Liu G, Alpers CE: Localization of TGF-beta signaling intermediates Smad2, 3, 4, and 7 in developing and mature human and mouse kidney, *J Histochem Cytochem* 2007, 55:275-285.
13. Taneda S, Hudkins KL, Muhlfeld AS, **Kowalewska J**, Pippin JW, Shankland SJ, Alpers CE: Protease nexin-1, tPA, and PAI-1 are upregulated in cryoglobulinemic membranoproliferative glomerulonephritis, *J Am Soc Nephrol* 2008, 19:243-251.
14. Liu G, Changsirikulchai S, Hudkins KL, Banas MC, **Kowalewska J**, Yang X, Wietecha TA, Volpone J, Gilbertson DG, Alpers CE: Identification of platelet-derived growth factor D in human chronic allograft nephropathy, *Hum Pathol* 2008, 39:393-402.
15. Leca N, Muczynski KA, Jefferson JA, de Boer IH, **Kowalewska J**, Kendrick EA, Pichler R, Davis CL: Higher Levels of Leflunomide Are Associated with Hemolysis and Are not Superior to Lower Levels for BK Virus Clearance in Renal Transplant Patients, *Clin J Am Soc Nephrol* 2008, 3:829-35.
16. Guo S, **Kowalewska J**, Wietecha TA, Iyoda M, Wang L, Yi K, Spencer M, Banas M, Alexandrescu S, Hudkins KL, Alpers CE: Renin-Angiotensin System Blockade Is Renoprotective in Immune Complex-Mediated Glomerulonephritis, *J Am Soc Nephrol* 2008, Jun;19(6):1168-76.
17. Eremina V, Jefferson JA, **Kowalewska J**, Hochster H, Haas M, Weisstuch J, Richardson C, Kopp JB, Kabir MG, Backx PH, Gerber HP, Ferrara N, Barisoni L, Alpers CE, Quaggin SE: VEGF inhibition and renal thrombotic microangiopathy, *N Engl J Med* 2008, 358:1129-1136.
18. Kieran N, Wang X, Perkins J, Davis CL, Kendrick E, Bakthavatsalam R, Dunbar N, Warner P, Nelson K, Smith KD, Nicosia RF, Alpers CE, Leca N, and **Kowalewska J**: The significance of C4d staining in renal allograft biopsies obtained 10 or more years post transplantation. *JASN* 2009; 20(10):2260-8.
19. Guo S, Muhlfeld AS, Wietecha TA, Carine J, Peutz-Kootstra CJ, **Kowalewska J**, Yo K, Spencer M, Nimmerjahn F, Hudkins KL, Alpers CE: Deletion of Activating Fcγ Receptors Does Not Confer Protection in Murine Cryoglobulinemia-associated Membranoproliferative Glomerulonephritis, *AJP* 2009 July 175(1):107-118.
20. Iyoda M, Hudkins KL, Becker-Herman S, Wietecha TA, Banas MC, Shunhua Guo S, Meyer-Bahlburg A, **Kowalewska J**, Liu G, Ziegler SF, Rawlings DJ and Alpers CE: Imatinib Suppresses Cryoglobulinemia and Secondary Membranoproliferative Glomerulonephritis, *J Am Soc Nephrol* 2009 Jan;20(1):68-77.

21. Hudkins KL, Pichiwong W, Wietecha TA, **Kowalewska J**, Banas MC, Iyoda M, Spencer M, Muhlfeld A, Shankland S, Attie AD and Alpers CE: A new mouse model of progressive diabetic nephropathy, *JASN* 2010; 21(9):1533-42.
22. Belilos E, Maddox J, Kowalewski RM, **Kowalewska J**, Turi G, Nochomovitz L, and Carsons S: Temporal Small Vessel Inflammation in Patients Suspected of having Giant Cell Arteritis: Immunohistopathologic Characterization and Clinical Significance, *J Rheum* 2011 Feb;38(2):331-8.
23. Marshall C, Krofft R, Blonski M, **Kowalewska J**, Logar K, Pippin J, Kim F, Feil R, Alpers CE, and Shankland S: The Role of Smooth Muscle Protein SM22 $\alpha$  in Glomerular Epithelial Cell Injury, *Am J Physiol Renal Physiol*, 2011 Apr;300(4):F1026-42.
24. **Kowalewska J**, Roberto F Nicosia RF, Kelly D Smith KD, Kats A, Alpers CE: Patterns of glomerular Injury in Kidneys Infiltrated by Lymphoplasmacytic Neoplasms, *Hum Pathol* 2011 Jun;42(6):896-903.
25. Naumnik B, **Kowalewska J**, Zalewski G, Charkiewicz R, Myśliwiec M: The Status of BK Polyomavirus Replication in Adult Renal Transplant Recipients in Northeastern Poland. *Transplant Proc.* 2011 Oct;43(8):2976-984.
26. Naumnik B, Suchowierska E, **Kowalewska J**, Myśliwiec M: Cloudy peritoneal fluid at the time of dialysis initiation. *Forum Nefrologiczne* (article in Polish) 2011, (3): 232-36
27. Hermanowicz A, Matuszczak E, Debek W, Dzieńis-Koronkiewicz E, Komarowska M, Oksiuta M, **Kowalewska J**, and Milewicz R: Expression of estrogen receptors  $\alpha$  and  $\beta$  in paratesticular tissues in boys operated on for unilateral cryptorchidism between the 1st and 4th years of life. *Med Sci Monit.* 2012 Oct;18(10):CR630-634.
28. **Kowalewska J**, Okoń K, Szynaka B, Naumnik B. Expression of macrophage markers in cryoglobulinemic glomerulonephritis - a possible role of CXCL9. *Adv Med Sci.* 2013 Sep 27:1-7.
29. Pichler, RH, Huskey J, **Kowalewska J**, Moiz A, Perkins J, Davis CL and Leca N: Kidney Biopsies May Help Predict Renal Function following Liver Transplantation, *Transplantation*, 2016 Oct;100(10):2122-8.
30. Naumnik, B, **Kowalewska J**, Hryszko T, Glowński J, Durlik M, Myśliwiec MC: Single center experience of subclinical rejections and BK nephropathies by kidney allografts' surveillance biopsies. *Adv Med Sci.* 2017 Feb 24;62(1):110-115.
31. Perkowska-Ptasinska A, Bartczak A, Wagrowska-Danilewicz M, Halon A, Okon K, Wozniak A, Danilewicz M, Karkoszka H, Marszalek A, **Kowalewska J**, Mroz A, Korolczuk A, Oko A, Debska-Slizien A, Naumnik B, Hruby Z, Klinger M, Ciechanowski K, Myslak M, Sulowicz W, Rydzewski A, Wiecek A, Manitius J, Gregorczyk T, Niemczyk S, Nowicki M, Gellert R, Stompor T, Wieliczko M, Marczewski K, Paczek L, Rostkowska O, Deborska-Materkowska D, Bogdanowicz G, Milkowski A, Durlik M; Polish Society of Nephrology: Clinicopathologic correlations of renal pathology in adult population of Poland. *Nephrol Dial Transplant.* 2017 Apr 1;32(suppl\_2):ii209-ii218.
32. Cheta J, Binder M, **Kowalewska J** and Magoon S: ANCA-associated Vasculitis co-occurrence with Systemic Sclerosis: A case Report of a Rare diagnostic Dilemma, *J Investig Med High Impact Case Rep.* 2018 Jun 28;6:2324709618785188. doi: 10.1177/2324709618785188. eCollection 2018 Jan-Dec.
33. Mirza A, **Kowalewska J** and McCune: Transplantation with APOL1 risk variant kidney may be associated with lifetime risk for recurrence of FSGS: A case report and review of literature, *Transplantation Proceedings: Transplantation Proceedings Transplant Proc.* 2019 Nov;51(9):3077-3079.
34. Vanga A, **Kowalewska J**, Rust H and Rana A: Pericardial tamponade: An uncommon clinical presentation in cANCA related vasculitis and Glomerulonephritis in association with very high titres of ANA: *Case Rep Nephrol.* June 2019
35. Dove E, **Kowalewska J**. Educational Case: Nephrotic Syndrome in Older Adult. *Acad Pathol.* 2020 Aug 18(7):1-7.
36. Vanga A, Magoon S, **Kowalewska J**, Mussarat S. Fibrilo-Tactoid Glomerulonephritis: A Possible Novel Morphological Variant. *Case Rep Nephrol Dial.* 2020 Nov 17;10(3):154-162.
37. Vanga AR, Schrier Vergano SA, **Kowalewska J**, and McCune TR. Previously Unidentified Gene Variation Associated with Fabry Disease: The Impact on One Family. *Case Rep Nephrol.* 2020 Sep 19;2020:8899703.
38. Shaia JK, Winston JS, Campbell J and **Kowalewska J**: Educational Case: Giant Cell Tumor of the Bone in Both the Axial and Appendicular Skeleton, *Acad Pathol.* 2021 April (8):1-7.
39. Minnelli C, Riazzy M, Ohashi R, **Kowalewska J**, Leca N, Najafian B, Smith KD, Nicosia RF, Alpers CE, and Akilesh S: Early Transplant Arteriopathy in Kidney Transplantation. *Transplant Proc.* 2021 Jun;53(5):1554-1561.
40. Hookey G, Ahmad Q, McCune T, **Kowalewska J**, Amaker B, and Inayat N: Diagnostic role of technitium-99m bone scan in severe COVID-19-associated myositis. *Radiol Case Rep.* 2021 Aug;16(8):2123-2128.

41. **Kowalewska J**, El Moudden I, Perkowska-Ptasinska A, Kapp ME, Fogo AB, Lin MY, Mirza A, Troyer DA, Durlik M, Sandhu R, Ciszek M, Deborska-Materkowska D, Kuczynski D, and McCune TR: Assessment of the Banff Working Group classification of definitive BK polyomavirus nephropathy. *Transpl Int.* 2021 Nov;34(11):2286-2296.
42. Dai, H and **Kowalewska J**: Educational Case: Renal Allograft Rejection, *Acad Pathol.* 2022 Jun 21;9(1):
43. Bohannon DG, Zablocki-Thomas LD, Leung ES, Dupont JK, Hattler JB, **Kowalewska J**, Zhao M, Luo J, Salemi M, Amedee AM, Li Q, Kuroda MJ, Kim WK. CSF1R inhibition depletes brain macrophages and reduces brain virus burden in SIV-infected macaques. *Brain.* 2024 Sep 3;147(9):3059-3069.

Review articles:

1. **Kowalewska J**, Smith KD and Alpers CE: Recent advances in glomerulonephritis. Review, *Curr Diag Path* 2007, 13(1):32-42.
2. Alpers CE, **Kowalewska J**: Emerging paradigms in the renal pathology of viral diseases, *Clin J Am Soc Nephrol* 2007, 2 Suppl 1:S6-12.
3. Alpers CE, **Kowalewska J**: Fibrillary glomerulonephritis and immunotactoid glomerulopathy, *J Am Soc Nephrol* 2008, 19:34-37.
4. Pippin JW, Brinkkoetter PT, Cormack-Aboud FC, Durvasula RV, Hauser PV, **Kowalewska J**, Krofft RD, Logar CM, Marshall CB, Ohse T, Shankland SJ: Inducible Rodent Models of Acquired Podocyte Diseases. *Am J Physiol Renal Physiol* 2009, Feb; 296(2):F213-29.
5. **Kowalewska J**: Cryoglobulinemic glomerulonephritis – lessons from animal models, *Folia Histochem Cytobiol* 2011; 49(4):537-546.
6. Mackiewicz Z, Niklińska WE, **Kowalewska J**, Lech Chyczewski L: Bone as a source of whole organism vitality and regeneration, *Folia Histochem Cytobiol* 2011; 49(4):558-569.
7. **Kowalewska J**. Pathology of recurrent diseases in kidney allografts: membranous nephropathy and focal segmental glomerulosclerosis. *Curr Opin Organ Transplant.* 2013 Jun;18(3):313-8.

Letters/Comment:

1. Mubarak M, Tolouian R, **Kowalewska J**, Nasri H: Comment: Newly Diagnosed Glomerulonephritis During COVID-19 Infection Undergoing Immunosuppression Therapy, a Case Report. *Iran J Kidney Dis.* 2020 Jul;14(4):323-325.

Book chapters:

1. Treuting PM, **Kowalewska J**: Chapter 16: Urinary System, in „Comparative Anatomy and Histology – A Mouse and Human Atlas”, 1st ed. Elsevier Inc. 2012: 229-251
2. **Kowalewska J** : Complement-mediated glomerular diseases, in “Dynamic Encyclopedia of Human Diseases”, Elsevier Inc., 2014, online publication.
3. Treuting PM, **Kowalewska J**: Chapter 16: Urinary System, in „Comparative Anatomy and Histology – A Mouse, Rat and Human Atlas”, 2nd ed. Elsevier Inc. June 2017

## Abstracts and Presentations

### Oral Presentations invited

National/International Meetings

- November 2020: Clinical Pathology, 4th International Renal Pathology Conference, Warsaw, Poland
- September 2010 - Diagnosis and management of polyomavirus nephropathy, session of Nephropathology Working Group and Polish Society of Transplantology “Pathologists meet transplant physicians”, Intercongress ESP Meeting, Cracow, Poland
- November 2010 - Update on classification of prostate cancer, Grodno, Bielorussia
- January 2012 - Diagnostic problems in prostate cancer, Polish Society of Urology, Bialowieza, Poland
- February 2012 - Experimental models of cryoglobulinemia, Polish Society of Pathology, Bialystok, Poland
- April 2011 - Renal involvement by lymphoplasmacytic disorders, World Congress of Nephrology, Vancouver, BC
- September 2012 - Presentation: Problem cases with EM impact. 24th European Congress of Pathology, Prague, Czech Republic
- February 2012 – Presentation: Renal involvement by lymphoplasmacytic disorders, Pathology Ground Rounds, University of Alberta, Edmonton, Canada

-September 2013 - Presentation: EM in focus – native and transplant kidneys. 25th European Congress of Pathology, Lisbon, Portugal

Local/Regional Meetings

-October 2014 - Renal involvement by lymphoplasmacytic disorders, Internal Medicine Ground Rounds, EVMS, Norfolk, VA

-Basics in Transplant Pathology, Sentara, Transplant Clinic, June 2019

**Abstracts:**

1. **Kowalewska J**, Kowalewski RM, Maddox JC, Turi G, Belilos E, Carsons S; Lymphocyte Repertoire of Temporal Small Vessel Inflammation (TSVI) Resembles Inflammatory Infiltrate in Giant Cell Arteritis. Winthrop-University Hospital, SUNY Stony Brook School of Medicine. Poster presentation at the 2<sup>nd</sup> International Conference on Giant Cell Arteritis and Polymyalgia Rheumatica, Mayo Clinic, Rochester, MN, USA, August, 2002.
2. Kowalewski RM, Maddox JC, **Kowalewska J**, Turi G, Nochomovitz L, Carsons S, Belilos: Isolated Temporal Small Vessel Inflammation (TSVI): An Important Clue to the Diagnosis of Giant Cell Arteritis (GCA). Poster presentation at the 66<sup>th</sup> Annual meeting of the American College of Rheumatology, New Orleans, LA, USA, October 2002.
3. Chang A, **Kowalewska J**, Limaye AP, Davis CL, Nicosia RF, Alpers CE, Smith KD: CD3 and CD20 Immunohistochemistry of Renal Transplant Biopsies with Polyomavirus Associated Nephritis or Acute Allograft Rejection. Poster presentation at the USCAP meeting, Washington, DC, USA, March 2003
4. **Kowalewska J**, Hudkins KL, Taneda S, Muehlfield AS, Wietecha TA, Giese N, Alpers CE: Treatment with PDGF R $\beta$  antagonist does not ameliorate cryoglobulin-associated MPGN in thymic stromal lymphopoietin (TSLP) transgenic mice. Poster presentation at the ASN meeting, St Louis, MO, USA, October 2004. J Am Soc Nephrol 2004, 15:SU-PO762:698A
5. Taneda S, Hudkins KL, Muehlfield AS, **Kowalewska J**, Alpers CE: Potential role of protease nexin-1 and tissue plasminogen activator in murine model of MPGN. Poster presentation at the ASN meeting, St Louis, MI, USA, October 2004. J Am Soc Nephrol 2004, 15; SU-PO777:241A
6. **Kowalewska J**, Muehlfield AS, Hudkins KL, Farr AG, Yeh MM, Alpers CE: Thymic stromal lymphopoietin (TSLP) transgenic mice develop mixed cryoglobulinemia and hepatitis mimicking human chronic hepatitis C disease. Poster presentation at the USCAP meeting, Vancouver, BC, Canada, March 2004.
7. **Kowalewska J**, Hudkins KL, Alpers CE, Smith KD: Immunohistochemical assessment of MPO to quantify inflammatory activity in lupus nephritis. Poster presentation at the USCAP meeting, Vancouver, BC, Canada, March 2004.
8. Chang A, **Kowalewska J**, KD Smith, Nicosia RF, Alpers CE: A Clinicopathologic Study of Thrombotic Microangiopathy in the setting of IgA Nephropathy. Poster presentation at the USCAP meeting, San Antonio, TX, USA, February 2005. Mod Path 2005, 18 (Supplement 1S): #1230:266A
9. **Kowalewska J**, Frutkin AD, Hudkins KL, Wietecha TA, Li W, Xiao M, Lee S, Dichek DA, and Alpers CA: Overexpression of transforming growth factor beta (TGF- $\beta$ ) does not worsen the glomerular or tubulointerstitial injury in Apo-E deficient mice. Poster presentation at the ASN meeting, Philadelphia, PA, USA, November 2005. J Am Soc Nephrol 2005, 16: F-PO360:413A
10. Pietrzyk MC, Parks WT, Hudkins KL, Holdren MS, Iyoda M, **Kowalewska J**, Wietecha TA, Liu G, Alpers CE: Expression of Smad2, Smad3, Smad4 and Smad7 in Developing and Mature Murine and Human Kidneys. Poster presentation at the ASN meeting, Philadelphia, PA, USA, November, 2005. J Am Soc Nephrol 2005: 16, TH-PO455:217A
11. Pietrzyk MC, Banas B, Hudkins KL, **Kowalewska J**, Wietecha TA, Iyoda M, Liu G, Alpers CE: Induction of Toll-Like Receptors in a Mouse Model of Membranoproliferative Glomerulonephritis. Poster presentation at the ASN meeting, Philadelphia, PA, USA, November, 2005. J Am Soc Nephrol 2005: 16, SA-PO398:644A
12. **Kowalewska J**, Wietecha TA, Hudkins KL, Li W, Pietrzyk MC, Iyoda M, and Alpers CE: Short treatment with ACE inhibitor does not ameliorate cryoglobulin-associated membranoproliferative glomerulonephritis in thymic stromal lymphopoietin (TSLP) transgenic mice. Poster presentation at the ASN meeting, Philadelphia, PA, USA, November, 2005. J Am Soc Nephrol 2005, 16:F-PO361:414A
13. Liu G, Spencer MW, Hudkins KL, **Kowalewska J**, Pietrzyk MC, Yang X, Alpers CE: Clinical Features Associated with Various Renal Diseases in Macaques Infected with Human (HIV), Simian (SIV) and Simian-Human (SHIV) Immunodeficiency Viruses. Poster presentation at the ASN meeting, Philadelphia, PA, USA,

- November, 2005. J Am Soc Nephrol 2005; 16, SA-PO425:650A
14. **Kowalewska J**, Hudkins KL, Wietecha TA, Muehlfield AS, Pietrzyk MC, Taneda S, Alpers CE: Expression of Genes of the Complement Activation Pathways in Murine Model of Membranoproliferative Glomerulonephritis (MPGN). Poster presentation at the ASN meeting, Philadelphia, PA, USA, November, 2005. J Am Soc Nephrol 2005; 16, PUB-129:810A
  15. Spencer MW, Hudkins KL, **Kowalewska J**, Muehlfield AS, Charles CE: Nephropathy in Macaques infected with Human, Simian and Simian-Human Poster presentation at the ASN meeting, St Louis, MI, USA, October 2004. J Am Soc Nephrol 2005, 15: SU-PO777:701A
  16. **Kowalewska J**, Hudkins KL, Wietecha TA, Pietrzyk M, Alpers CE: Gene expression profile in murine model of membranoproliferative glomerulonephritis. Poster presentation at the National Kidney Foundation Clinical Meeting, Washington DC, USA, May 2005.
  17. Hudkins KL, **Kowalewska J**, Wietecha TA, Banas MC, Iyoda M, Guo S, Wang L, Rabaglia ME, Gray-Keller MP, Attie AD and Alpers CE: Characterization of a New Murine Model of Diabetic Nephropathy. Poster presentation at the ASN meeting, San Diego, CA, USA, November 2006. JASN 2006:17; Th-PO-074:122A
  18. Chang A, **Kowalewska J**, KD Smith, Nicosia RF, Alpers CE: A Clinicopathologic Study of Renal Manifestation after Bone Marrow Transplantation. Poster presentation at the USCAP meeting, San Antonio, TX, USA, February 2006. Mod Path 2006: 19(Supplement 1S), #1205:260A
  19. Pichler RH, Dittrich MO, Anderson AE, Kendrick EA, Carithers R, Larson AM, Reyes JD, Andrews RT, **Kowalewska J**, Alpers CE, Shankland SJ, Davis CL: Pathology and Prediction of Benefit from simultaneous Liver-Kidney Transplantation (SLK) Versus Liver-Along Transplantation (LAT): Potential Role for Native Kidney Biopsy. Poster presentation at the ASN meeting, San Diego, CA, USA, November 2006. J Am Soc Nephrol 2006, 17: SA-PO1055:795A
  20. Taneda S, Hudkins KL, Muehlfield AS, **Kowalewska J**, Charles E. Alpers: Involvement of PN-1, tPA and PAI-1 in Murine Model of Cryoglobulin- Associated MPGN. Poster presentation at the ASN meeting, San Diego, CA, USA, November 2006. J Am Soc Nephrol 2006, 17; SA-PO351:650A
  21. Wietecha T A, Hudkins KL, Iyoda M, Banas MC, Guo S, Li W, Thurman J, Holers VM, **Kowalewska J**, and Alpers CE: Deletion of the Murine Factor B in Thymic Stromal Lymphopoietin Transgenic Mice Aggravates Cryoglobulin-associated Membranoproliferative Glomerulonephritis. Poster presentation at the ASN meeting, San Diego, CA, USA, November 2006. J Am Soc Nephrol 2006, 17: F-PO820:510A
  22. Iyoda M, Hudkins KL, Wietecha TA, Banas MC, Guo S, Liu G, Li W, **Kowalewska J**, Alpers CE. Retinoic Acid Aggravates Cryoglobulin-Associated Membranoproliferative Glomerulonephritis (MPGN) in Mice. Poster presentation at the ASN meeting, San Diego, CA, USA, November 2006. J Am Soc Nephrol 2006, 17: F-PO445:432A
  23. Iyoda M, Hudkins KL, Wietecha TA, Herman H, Banas MC, **Kowalewska J**, Liu G, Wang Li, Guo S, Rawlings D, Ziegler SF, and Alpers CE: Imatinib attenuates cryoglobulin-associated membranoproliferative glomerulonephritis in mice. Platform presentation at the ASN meeting, San Diego, CA, USA, November 2006. J Am Soc Nephrol 2006, 17:SA-FC002:71A
  24. Bracamonte E, Leca N, Smith KD, Nicosia R, Davis CL, Alpers CE, and **Kowalewska J**: Histologic features of allograft biopsies with polyoma virus nephropathy and tubular basement membrane immune deposits. Poster presentation at the ASN meeting, San Diego, CA, USA, November 2006. J Am Soc Nephrol 2006: 17, SA-PO1053:795A
  25. Leca N, Bracamonte ER, Davis LD, Alpers CE and **Kowalewska J**: Clinical significance of Tubular Basement Membrane Immune Deposits in Polyoma Virus Nephropathy. Poster presented at the ASN meeting, San Diego, CA, Listopad 2006. J Am Soc Nephrol 2006: 17, SA-PO888:761A
  26. Bracamonte E, Furmanczyk P, Smith KD, Nicosia R, Alpers CE, and **Kowalewska J**: Tubular basement membrane deposits associated with polyoma virus nephropathy in renal allografts. Platform presentation at the USCAP meeting, Atlanta, GA, USA, February 2006. Mod Path 2006: 19(Supplement 1S), #1201:259A
  27. Leca N, Pichler R, **Kowalewska J**, Kendrick E, Jefferson A, Muczynski K and Davis C: Leflunomide use in renal transplantation. Is it causing hemolytic syndrome? Platform presentation at the ATC, San Francisco, USA, CA, May 2007. AJT 2007: 7(Supplement S2); #452:265
  28. Jefferson JA, **Kowalewska J**, Richardson C, Quaggin SE, Alpers CE: Proteinuria and thrombotic microangiopathy secondary to anti-VEGF antibody (bevacizumab) therapy. Poster presentation at the ASN meeting, San Francisco, CA, USA, November 2007. JASN 2007: 18, SU-PO908:786A
  29. **Kowalewska J**, Chan E, Hudkins-Loya K, Muehlfield A, Taneda S, Peters M, Alpers CE: Deletion of Activating vs. Inhibitory Fc Receptors Does Not Dramatically Alter Pathways of Gene Expression in a Model of Cryoglobulinemic Membranoproliferative Glomerulonephritis (MPGN): Microarray Analysis. Poster

- presentation at the ASN meeting, San Francisco CA, November 2007. J Am Soc Nephrol 2007, 18: F-PO448:119A
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  31. Leca N, Bracamonte E, Davis CL, Alpers CE, Kowalewska J: Tubular Basement Membrane Immune Deposits in Polyoma Virus Nephropathy. Poster presentation at the ATC, San Francisco, CA, USA, May 2007. Am J Transplant 2007: 7(Supplement S2), #1531:542A
  32. **Kowalewska J**, Kats A, Smith KD, Alpers CE and Nicosia RF: Patterns of Glomerular Injury in Kidneys Infiltrated by Lymphoplasmacytic Neoplasms. Poster presentation at the USCAP meeting, San Diego, CA, USA, February 2007. Mod. Path. 2007, Feb; 20 (Supplement 2s): #1248:271A
  33. Kang Mi S, Pichaiwong W, Wang X, Kieran N, Leca N, Smith KD, Alpers CE, **Kowalewska J**: Increased Expression of FOXP3 by Regulatory T cells in Long-Term Renal Allografts is Associated with Acute Cellular Rejection but not with Antibody Mediated Rejection. Poster presentation at the ASN meeting, Philadelphia, PA, USA, November 2008. J Am Soc Nephrol 2008, 19: Th-PO495:217A
  34. Wietecha TA, Hudkins KL, Alexandrescu S, Yi SK, J. **Kowalewska J**, Banas MC, Guo S, Alpers CE: Reversal of Diabetic Nephropathy Is Accompanied by Podocyte Regeneration in BTBR ob/ob Mice. Oral presentation at the ASN meeting, Philadelphia, PA, USA, November 2008. J Am Soc Nephrol 2008, 19: F-FC223:50A
  35. **Kowalewska J**, Wang X, Smith KD, Kieran N, Leca N, Alpers CE: What is the Significance of a C4d Positive Transplant Biopsy? A Study of Patients with C4d Positive Biopsies Spaced up to 16 Years Apart. Poster presentation at the ASN meeting, Philadelphia, PA, USA, November 2008. JASN 2008:19, Th-PO530:225A
  36. Niamh Kieran N, Wang X, Perkins J, Davis CL, Bakthavatsalam R, Warner P, Nielsen K, **Kowalewska J** and Leca N: C4d staining in late renal allograft biopsies is strongly linked to allograft failure. Poster presentation at the ASN meeting, Philadelphia, PA, USA, November 2008. JASN 2008:19, P-PO1553:455A
  37. Leca N, Kieran N, Wang X, Davis CL, Bakthavatsalam R, Perkins J, Nielsen K, Warner P, and **Kowalewska J**: Association of C4d Staining in Late Renal Allografts with Donor Specific Antibodies and Graft Outcome. Poster presentation at the ASN meeting, Philadelphia, PA, USA, November 2008. JASN 2008:19, F-PO1552:455A
  38. Wang X, Smith KD, Nicosia RF, Alpers CE, and **Kowalewska J**: Associations of C4d deposition, transplant glomerulopathy, and rejection in renal allograft biopsies performed 10 or more years after transplantation. Platform presentation at the ASN meeting, Denver, CO, USA, March 2008. Mod. Path. 2008: 21(Supplement 1A), #1352:296A
  39. Ohashi R, Smith KD, Nicosia RF, Alpers CE and Kowalewska J: Acute transient arteriopathy in the early phase after the renal transplantation. Poster presentation at the USCAP meeting, Boston, MA, USA, February 2009. Mod Path 2009, 22(Supplement 1S): #1379:305A
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  41. **Kowalewska J**, Kieran N, Leca N, Warner P, Nelson K, Smith KD, Davis CL, and Alpers CE: Antigenic Specificity of Donor specific Antibodies in Patients with C4d Deposition in Peritubular Capillaries May Predict Development of Transplant Glomerulopathy. Poster presentation at the Banff Conference, Banff, Canada, BC, August 2009.
  42. Kieran NE, Wong X, Davis CL, Bakthavatsalam R, Warner P, Nelson K, **Kowalewska J**, and Leca N: The Impact of Treatment on Late Renal Allograft Dysfunction in the Presence of C4d Staining . Poster presentation at the ATC Congress, San Diego, CA, USA, May 2009. AJT 2009: 9(S2); #1431A:589
  43. Palma Diaz MF, Kieran N, Leca N, Warner P, Nelson K, Smith KD, Nicosia RF, Davis CL, Alpers CE and **Kowalewska J**: Correlation of histologic findings with donor specific antibodies (DSA) in C4d positive renal allograft biopsies during the early post-transplant period. Poster presentation at the USCAP meeting, Washington, DC, USA, March 2010. Mod Path 2010, 23(Supplement 1S): #1534:344A
  44. Pichler RH, **Kowalewska J**, Moiz A, Kendrick EA, Leca N, Bakthavasalam R, Halldorson JB, Andrews RT, Carithers R, Perkins J, and Davis CL: Glomerulosclerosis Predicts Renal Function Following Liver

- Transplantation. Platform presentation at the American Transplantation Congress (ATC), San Diego, CA, USA, April 2010. Am J Transplant 2010, Supplement S4: #199:99
45. Sulewska A, Pankiewicz W, Naumnik W, Niklinski J, Kozlowski M, **Kowalewska J**, Chyczewski L: Loss of p16 protein and hypermethylation of p16 gene in bronchiolar columnar cell dysplasia. Poster presentation at the European Intercongress of Pathology of the ESP, Cracow, Poland, September 2010. Virchows Arch 2010, 457:165
  46. Perkowska-Ptasinska A, Bartczak A, Halon A, Okon K, **Kowalewska J**, Marszalek A, Korolczuk A, Danilewicz M, Wagrowska-Danilewicz M: Clinicopathological analysis of kidney diseases in adults: a report based on the databases from 7 nephropathological centers in Poland. Poster presentation at the European Congress of Pathology of the ESP, Helsinki, Finland, September 2011. Virchows Arch 2011, S1, 459:S262-63.
  47. Bernaczyk P, Milewski R, Chyczewski L, **Kowalewska J**: Finding of Prostate Carcinoma at the Capsular End of a Prostate Needle Biopsy Does Not Predict Positive Capsular Margin on Radical Prostatectomy Specimen. Poster presentation at the USCAP Annual Meeting, Vancouver, BC, Canada, March 2012.
  48. **Kowalewska J**, Naumnik B, Korąkiewicz G, Głowiński J, Chyczewski L: Frequency and associations of C4d deposits in explanted kidney allografts. Poster presentation at the ASN annual meeting, San Diego, CA, November 2012.
  49. Shafi H, Nast CN, Jordan SC, Vo Pharm A, Haas M, Toyoda M, **Kowalewska J**: Expression of IL-6R and IL-17 in normal renal tissue. Abstract submitted/rejected for USCAP 2014.
  50. **Kowalewska J**, Shafi H, Nast CN, Vo Pharm A, Haas M, Gertych A, Toyoda M, Jordan SC: Expression of IL-6 and its Receptor IL-6R $\alpha$  is Increased in Kidney Allografts with Antibody Mediated Rejection. Abstract submitted/rejected for the World Congress of Transplantation, July 2014
  51. Choi J, **Kowalewska J**, Kahwaji J, Vo A, Puliyaanda D, Peng A, Villicana R, and Jordan SC: Tocilizumab (Anti-IL6-Receptor) Therapy for Donor Specific Antibody (DSA+) Antibody Mediated Rejection (ABMR+) Resistant to IVIG + Rituximab Treatment. Oral presentation at the World Congress of Transplantation, San Francisco, July 2014
  52. **Kowalewska J**, Shafi H, Nast CC, Gertych A, Haas M, Vo A, Toyoda M and Jordan SC: Expression of IL-6 and its Receptor IL-6R $\alpha$  is Increased in Kidney Allografts with Antibody Mediated Rejection. Abstract accepted for the upcoming ASN annual meeting, Philadelphia Nov 2014
  53. Bu L, **Kowalewska J** and VanBeek C: Renal Biopsy Findings and PLA2R Status in Pregnancy-Associated Membranous Nephropathy. Abstract presented at the USCAP Annual Meeting, Boston, March 2015
  54. Zhang H, Thomas D, **Kowalewska J**, Suviolanti E, Shafi H, Nast SC, Gertych A, Vo AA, Haas M, Jordan SJ, and Toyoda M: Differentially Expressed IL-6R $\alpha$  and GP130 Genes in Kidney Biopsies (Bxs) Suggests Different Roles of IL-6 Signaling in Antibody (ABMR)- and Cell (CMR)-Mediated Rejection. Abstract presented at the ATC Annual Meeting, Philadelphia, May 2015
  55. **Kowalewska J**, Marioneaux J, Bedossa P, Sanyal A, and Caffrey R: DIAMOND™ Mouse Model Displays Features of Diabetic Kidney Disease in Addition to NASH and NAC. Abstract submitted for The International Liver Conference, Paris France, April 11-15 2018
  56. **Kowalewska J**, Marioneaux J, Bedossa P, Sanyal A, and Caffrey R: DIAMOND™ Mouse Model Displays Features of Diabetic Kidney Disease in Addition to NASH and NAC. Abstract accepted for American Association for the Study of Liver Diseases Annual Meeting in San Francisco 2018
  57. Mirza A, **Kowalewska J** and Magoon,S: MPGN And Sarcoidosis: A Rare Case Presentation, abstract submitted for the annual ASN meeting, San Diego, CA, October 2018
  58. Maziar Riazzy M, Minelli C, Ohashi R, **Kowalewska J**, Leca N, Najafian B, Smith K, Nicosia RF, Alpers CE and Shreeram Akilesh D: Acute Transient Arteriopathy Mimicking Vascular Rejection in Allograft Kidneys, abstract presented at the annual ASN meeting, San Diego, CA, October 2018
  59. **Kowalewska J** et al. Assessment of the Banff Working Group Classification of Definitive BK Polyomavirus Nephropathy, abstract presented at the annual ASN meeting, Washington DC, October 2019

## Professional Development

Attended annual United State Canadian Society meetings, most recent March 2021  
Attended the 4th International Renal Pathology Conference, Warsaw, Poland, Nov 2020  
Attended annual American Society of Nephrology meetings, most recent November 2019  
Attending Annual Renal Pathology Society meetings, most recent November 2019  
CAP Performance Improvement Program in Surgical Pathology – quarterly, most recent March 2021

**Professional Community Service**

Pro-bono consultation service in renal pathology for University of Bialystok and Poznan University of Medical Science, Poland	2013 - present
Volunteer to teach the Pathology course, Department of Pathology and Anatomy, EVMS	2014 - 2015
Pro-bono interpretation of medical renal biopsies for Harbor-UCLA Medical Center	2013 - 2014



01/19/26

Signature

Date

(A signature on the CV indicates that the content is verified and accurate)