

PERSONAL: Hispanic-American, US Citizenship.

HIGHLIGHTS:

Vice President of Medical Affairs: Sysmex America, Inc.

Governor: College of American Pathologists

Chair: CAP Council on Informatics and Pathology Innovation

Founder: MD Path, LLC

Expertise: AP/CP and Hematopathology, Pathology Informatics, Pathology Quality Assurance

Languages: English, Spanish, German

CURRENT EMPLOYMENT:

Vice President for Medical Affairs, Sysmex America Inc.

CURRENT VOLUNTEER LEADERSHIP ROLES:

College of American Pathologists

Board of Governors, Governor

Council on Informatics and Pathology Innovation, Chair

Council on Government and Professional Affairs, Member

Executive Committee, Member

Compensation Committee, Member

Finance Committee, Member

DEI Committee, Member

BOARD CERTIFICATIONS:

09/2007 **Diplomate, American Board of Pathology, Hematology Subspecialty**

11/2004 **Diplomate, American Board of Pathology, Anatomic Pathology**

Diplomate, American Board of Pathology, Clinical Pathology

10/1996 **Specialist in Ophthalmology** (Fachärztin für Augenheilkunde), Land Brandenburg, FRG.

MEDICAL LICENSES:

Alaska, Minnesota, Montana, Nebraska, Nevada, Oregon, Washington

PREVIOUS EMPLOYMENT:

8/2018- **Pacific Pathology Partners, Seattle WA, Director of Hematopathology**

Continue with locum tenens and weekend call

4/2015-4/2018 **Interpath Laboratory, Lynnwood WA, Pathologist**

11/2011-4/2015 **HematoLogics, Inc, Seattle, WA, Director of Hematopathology**

5/2010-11/2011 **Pathology Associates of Kitsap County, Silverdale, WA.**

Director of Hematopathology

Harrison Hospital, Bremerton WA. Medical Director of Clinical Laboratory

7/2006- 4/2010 **Physicians Laboratory, Ltd, Sioux Falls, SD. Anatomic and Clinical Pathology,**

Director of Flow Cytometry, Molecular Diagnostics and Hematology.

7/2005-6/2006 **Albert Einstein Health Network, Philadelphia, PA., Anatomic and Clinical Pathology, Director of Flow Cytometry.**

UNIVERSITY AFFILIATIONS, MEDICAL TRAINING and DEGREES:

- 1/2007- 4/2010 **Sanford School of Medicine, University of South Dakota**, Sioux Falls, SD.
Clinical Assistant Professor, Department of Laboratory Medicine
- 7/2004- 6/2005 **Thomas Jefferson University Hospitals**, Philadelphia, PA, USA.
Hematopathology Fellow, Department of Hematopathology
- 7/2000-6/2004 **Thomas Jefferson University Hospitals**, Philadelphia, PA. USA.
Pathology Resident (AP/CP), Department of Pathology
- 7/1999-6/2000 **Texas Tech University**, El Paso, TX. USA.
Transitional Year Resident
- 7/1991-10/1996 **A.-v.-Gräfe-Haus**, Potsdam, **Achenbach Hospital**, Königs Wusterhausen, &
Klinikum E.-v.-Bergmann, Potsdam, FRG.
Ophthalmology Resident, Chief Resident (1995-6)
- 6/1984-12/1990 **Facultad de Medicina**, Universidad del Salvador, Buenos Aires, Argentina.
Medical Degree Program (Médica)
- 6/1980-05/1984 **Iowa State University of Science & Technology**, Ames, Ia. USA.
Bachelor of Science, Nutrition and Related Sciences

PUBLICATIONS, WHITE PAPERS, ABSTRACTS, POSTERS

- 09/24 **Introduction to Generative Artificial Intelligence: Contextualizing the Future.** Rajendra Sing,... M. E. de Baca, ... Bobbi S. Pritt; *Arch Pathol Lab Med* 1 February 2025; 149 (2): 112–122. doi: <https://doi.org/10.5858/arpa.2024-0221-RA>
- Ethical and Regulatory Perspectives on GenAI in Pathology** Jackson BR, Rashidi HH, Lennerz JK, de Baca ME. *Arch Pathol Lab Med*. 2024 Sep 20. doi: [10.5858/arpa.2024-0205-RA](https://doi.org/10.5858/arpa.2024-0205-RA). Epub ahead of print. PMID: 39299704.
- 11/2023 **Recommendations for Performance Evaluation of Machine Learning in Pathology: A Concept Paper From the College of American Pathologists.** Hanna, M. G., Olson, N. H., Zarella, M., Dash, R. C., Herrmann, M. D., Furtado, L. V., . . . Seheult, J. N. (2023). *Archives of Pathology & Laboratory Medicine*. doi:10.5858/arpa.2023-0042-CP
- 01/2023 **Diagnostic Quality Model (DQM): An Integrated Framework for the Assessment of Diagnostic Quality when Using AI/ML** JK Lennerz, R Salgado, GE Kim, Sirintrapun, JC Thierauf, A Singh, I Indave, A Bard, SE Weissinger, Y Heher, ME de Baca, I Cree, S Bennett, A Carobene, T Ozben, LL Ritterhouse. *Clin Chem Lab Med*. 2023 Jan 25;61(4):544-557.
doi: [10.1515/cclm-2022-1151](https://doi.org/10.1515/cclm-2022-1151). Print 2023 Mar 28.
- 10/2022 **Recommendations for the Use of In silico Approaches for Next Generation Sequencing Bioinformatic Pipeline Validation: A Joint Report of the Association for Molecular Pathology, Association for Pathology Informatics, and College of American Pathologists** E. J. Duncavage, J. F. Coleman, M. E. de Baca, S. Kadri, A. Leon, M. Routbort, et al. *Journal of Molecular Diagnostics* 2022 DOI: 10.1016/j.jmoldx.2022.09.007. [https://www.jmdjournal.org/article/S1525-1578\(22\)00287-2/pdf](https://www.jmdjournal.org/article/S1525-1578(22)00287-2/pdf)
- 02/2021 **The Ethics of Artificial Intelligence in Pathology and Laboratory Medicine: Principles and Practice.** Brian R. Jackson, Ye Ye, James M. Crawford, Michael J. Becich,

- Somak Roy, Jeffrey R. Botkin, Monica E. de Baca, Liron Pantanowitz. *Academic Pathology*. January 2021. doi:[10.1177/2374289521990784](https://doi.org/10.1177/2374289521990784)
- 10/2020 **Use of LOINC for interoperability between organisations poses a risk to safety.** Carter AB, de Baca ME, Luu HS, Campbell WS, Stram MN. *The Lancet Digital Health*. 2020 Nov;2(11):e569. doi: [10.1016/S2589-7500\(20\)30244-2](https://doi.org/10.1016/S2589-7500(20)30244-2). Epub 2020 Oct 19.
- 10/2019 **A survey of LOINC code selection practices among participants of the College of American Pathologists' CGL and CRT proficiency testing programs.** Michelle Stram, Jansen Seheult, John H. Sinard, W. Scott Campbell, Alexis B. Carter, Monica E. de Baca, Andrew M. Quinn, Hung S. Luu, for the Members of the Informatics Committee, College of American Pathologists *Arch Path Lab*. <https://www.archivesofpathology.org/doi/abs/10.5858/arpa.2019-0276-OA>
- 2/2019 **A model information management plan for Molecular Pathology Sequence Data using standards: From sequencer to Electronic Health Record.** Campbell, WS; Carter, AB; Cushman-Vokoun, AM; Greiner, TM; Dash, R; de Baca, ME; Routbort, MJ; Campbell, JR *Journal of Molecular Diagnostics*. [https://jmd.amjpathol.org/article/S1525-1578\(18\)30113-2/fulltext](https://jmd.amjpathol.org/article/S1525-1578(18)30113-2/fulltext)
- 11/2018 **CAP Pathology Resource Guide: Clinical Informatics.** de Baca ME (Senior Editor), Spinosa JC (Senior Editor), Aller R, Badizadegan K, Blouin AG, Castellani W, Chen P, Gilbertson J, Harrison J, Henricks W, Kennedy M, Knapik C, Pantanowitz L, Reichard RR, Robb J, Stram M., Version 2.0.0.0. Northfield, IL: College of American Pathologists; 2018.
- 3/2017 **An Opportunity for Pathology to Trailblaze: Bridging the Gender Gap in Clinical Informatics.** Alexis B. Carter, Monica E. de Baca, Mehrvash Haghighi, et al. Abstract: *Association for Pathology Informatics*
- 3/2017 **A Model Information Flow for Molecular Pathology Data Using Standards: from Sequencer to the EHR** W. Scott Campbell, PhD; Alexis Carter, MD; Rajesh Dash, MD; Mark Routbort, MD; Allison Cushman-Vokoun, MD; Timothy Greiner, MD; Monica de Baca, MD; James R. Campbell, MD. Abstract: *Association for Pathology Informatics*
- 7/2016 **CAP Pathology Resource Guide: Clinical Informatics.** Spinosa JC, Arnaout R, Berman MA, Birdsong G, Boguski MS, Booker D, Carter A, Castellani W, Chen D, Chen P, Dash RC, de Baca M, Elevitch F, Gilbertson J, Harrison J, Henricks W, Kennedy M, Knapik C, Olson JE, Robb J, Routbort M, Rudolf JW, Simpson RW, Sinard J, Wilkerson M. Version 1.0. Northfield, IL: College of American Pathologists; 2016.
- 3/2016 **Bone Marrow Synoptic Reporting for Hematologic Neoplasms:** Guidelines From the College of American Pathologists Pathology and Laboratory Quality Center. Sever C, Abbott CL, de Baca ME, Khoury JD, Perkins SL, Reichard KK, Taylor A, Terebelo HR, Colasacco C, Rumble RB, Thomas NE. *Arch Pathol Lab Med*. 2016 Sep;140(9):932-49. doi: [10.5858/arpa.2015-0450-SA](https://doi.org/10.5858/arpa.2015-0450-SA). Epub 2016 Feb 23.
- 03/2014 **Assessment of Erythroid Dysplasia by "Difference from Normal" in Routine Clinical Flow Cytometry Work-up** Lisa Eidenschink Brodersen, Andrew Menssen, Jamie R. Wangen, Christine F. Stephenson, Monica E. de Baca, Barbara K. Zehentner, Denise A. Wells, Michael R. Loken: *Cytometry B* 2014 Oct 21. doi: [10.1002/cytob.21199](https://doi.org/10.1002/cytob.21199). [Epub]
- 12/2014 **Myeloid Cell Maturation is Disrupted by Monosomy 7 or by Gain of Additional Genetic Aberrations During Clonal Evolution in Myelodysplastic Syndromes.** Zehentner BK, Cutler J, Hartmann L, Johnson K, Bennington R, Fritschle W, Ghiradelli K, Broderson L, Chapman D, Stephenson C, de Baca M, Singleton TP, Wells D, Loken M. American Society of Hematology Annual Meeting 2014
- 09/2014 **Detection of Clonal Evolution in Hematopoietic Malignancies by Combining CGH/SNP Arrays.** Luise Hartmann, Christine F Stephenson, Stephanie R Verkamp, Krystal R

- Johnson, Bettina Burnworth, Kelle Hammock, Lisa Eidenschink Brodersen, Monica E de Baca, Denise A Wells, Michael R Loken, and Barbara K Zehentner *Clin Chem* 2014 Dec;60(12):1558-68. doi: [10.1373/clinchem.2014.227785](https://doi.org/10.1373/clinchem.2014.227785)
- 05/2014 **One Disease or Two? Untangling Identities in Clonal Populations.** Monica E. de Baca, Lisa Eidenschink Brodersen, PhD; Christine F. Stephenson, PhD; Barbara K. Zehentner, PhD; Denise A. Wells, MD; Micheal R. Loken CAP '14 Poster Web-only supplement *Arch Pathol Lab Med Sept 2014*
- 05/2014 **Differentiating Between Malignant Erythroid Proliferations and Recovering Marrow Utilizing CD105** Andrew J. Menssen, BA; Monica E. de Baca, MD; Lisa Eidenschink Brodersen, PhD; Christine F. Stephenson, PhD; Barbara K. Zehentner, PhD; Denise A. Wells, PhD; Micheal R. Loken, PhD CAP '14 Poster *Arch Pathol Lab Med Sept 2014*
- 12/2013 **Ordo ab chao: Framework for an Integrated Disease Report.** Monica E. de Baca, MD, Ramy Arnaout MD DPhil, Victor Brodsky MD, George Birdsong MD *Arch Pathol Lab Med.* 2015 Feb;139(2):165-70. doi: [10.5858/arpa.2013-0561-CP](https://doi.org/10.5858/arpa.2013-0561-CP).
- 12/2012 **Laboratory Interoperability Best Practices, CAP White Paper.** Beckwith BA, Aller RD, Brassel JH, Brodsky VB, de Baca ME. *White Paper: Laboratory Interoperability Best Practices: Ten Mistakes to Avoid.* Northfield, IL: College of American Pathologists; 2013.
- 11/2012 **Intraclonal heterogeneity in concomitant monoclonal lymphocyte and plasma cell populations: Combining flow cytometric cell sorting with molecular monoclonality profiling.** Zehentner BK, de Baca ME, Wells DA, Loken MR. *Clin Lymphoma Myeloma Leuk.* 2013 Apr;13(2):214-7. doi: [10.1016/j.clml.2013.02.004](https://doi.org/10.1016/j.clml.2013.02.004). Epub 2013 Mar 13.
- 05/2012 **Array-based karyotyping in Plasma Cell Neoplasia following Plasma Cell Enrichment increases detection of genomic aberrations.** Zehentner BK, Hartmann L, Johnson KR, et al. *Am J Clin Pathol* 2012 Oct;138(4):579-89. doi: [10.1309/AJCPKW31BAIMVGST](https://doi.org/10.1309/AJCPKW31BAIMVGST)
- 11/2011 **Detection of genomic abnormalities in Multiple Myeloma: The application of FISH analysis in combination with various plasma cell enrichment techniques.** Luise Hartmann, Julie Sanford Biggerstaff, Douglas B Chapman, Janice M Scott, Krystal R Johnson, Keely M Ghirardelli, Wayne K Fritschle, Dolores L Martinez, Richard K Bennington, Monica E. de Baca, Denise A Wells, Michael R Loken, Barbara K Zehentner. *Am J Clin Pathol.* 2011 Nov;136(5):712-20. doi: [10.1309/AJCPF7NFLW8UAJEP](https://doi.org/10.1309/AJCPF7NFLW8UAJEP).
- 12/2010 **Phenotypic abnormalities strongly reflect genotype in patients with unexplained cytopenias.** Cutler JA, Wells DA, van de Loosdrecht AA, de Baca ME, et al. *Cytometry Part B* 2011 May;80(3):150-7. doi: [10.1002/cyto.b.20582](https://doi.org/10.1002/cyto.b.20582). Epub 2010 Dec 23.
- 06/2010 **Protocol for the Examination of Specimens from Patients with Non-Hodgkin Lymphoma/Lymphoid Neoplasms.** Hussong JW, Arber DA, Bradley KT, Brown MS, Chang CC, de Baca ME, Foucar K, His ED, Jaffe ES, Medeiros LJ, Perkins SL. *Arch Pathol Lab Med.* 2010 Jun;134(6):40-7.
- 06/2010 **Protocol for the Examination of Bone Marrow Biopsy specimens.** Hussong JW, Arber DA, Bradley KT, Brown MS, Chang CC, de Baca ME, Foucar K, Hsi ED, Jaffe ES, McClure SP, Medeiros LJ, Perkins SL. *Arch Pathol Lab Med.* 2010 Jun;134(6):40-7
- 03/2010 **Protocol for the Examination of Specimens from Patients with Hematopoietic Neoplasms of the Ocular Adnexa,** Bradley KT, Arber DA, Brown MS, Chang CC, de Baca ME, Foucar K, His ED, Jaffe ES, Madeiros LJ, Perkins S, Hussong JW. *Arch Pathol Lab Med.* 2010 Mar;134(3):336-40. doi: [10.5858/134.3.336](https://doi.org/10.5858/134.3.336).

- 03/2010 **Electronic pathology reporting: digitizing the College of American Pathologists cancer checklists.** de Baca ME, Madden JF, Kennedy M.; *Arch Pathol Lab Med.* 2010 Mar;134(3):326-30. doi: [10.5858/134.5.663](https://doi.org/10.5858/134.5.663).
- 10/2009 **Protocol for the Examination of Specimens From Patients With Invasive Carcinoma of the Breast.** Lester SC, Bose S, Chen YY, Connolly JL, de Baca ME, Fitzgibbons PL, Hayes DF, Kleer C, O'Malley FP, Page DL, Smith BL, Tan LK, Weaver DL, Winer E. *Arch Pathol Lab Med.* 2009 Oct;133(10):1515-38. doi: [10.5858/133.10.1515](https://doi.org/10.5858/133.10.1515).
- 01/2009 **Protocol for the Examination of Specimens from Patients with Ductal Carcinoma in situ of the Breast.** Lester SC, Bose S, Chen YY, Connolly JL, de Baca ME, Fitzgibbons PL, Hayes DF, Kleer C, O'Malley FP, Page DL, Smith BL, Weaver DL, Winer E; Members of the Cancer Committee, College of American Pathologists. *Arch Pathol Lab Med.* 2009 Oct;133(10):1515-38. doi: [10.5858/133.10.1515](https://doi.org/10.5858/133.10.1515)
- 01/2006 **Effects of Storage of Blood at Room Temperature on Hematologic Parameters Measured on a Sysmex XE-2100.** Monica E. de Baca, Gene Gulati, William Kocher, Roland Schwarting. *Lab Medicine*, 2006;37(1):28-36. doi: [10.1309/1EERK1M02QFJRX6P](https://doi.org/10.1309/1EERK1M02QFJRX6P)
- 12/2005 **The Use of Diagnostic Electron Microscopy in Dermatopathology, in Dermatología Práctica. Chapter: Uso de la Microscopia electrónica en la Dermatología;** Monica E. de Baca, M.D., Diana Whitaker-Menezes, M.S., Martin C. Mihm, Jr., M.D., and George F. Murphy, M.D. in **DERMATOLOGIA PRACTICA Ibero-Latinoamericana Atlas**, Enfermedades sistémicas asociadas y terapéutica. Editors: Vincent Torres Lozada; Francisco M. Camacho; Martin C. Mihm; Arthur Sober; *Ignacio Sanchez Carpintero 2005 Vincent Torres Lozada-Nieto Editores, SadeCV. ISBN# 968-5686-03-3*
- 10/2004 **The Pathogenesis of Spontaneous Pneumothorax in Smokers** Pechet, Taine T., Carr, Shamus R., Santomauro, Michael G., de Baca, Monica E., Farber, John L. *Chest Journal* 2004 126(4_MeetingAbstracts) 896S-b-897S. https://doi.org/10.1378/chest.126.4_MeetingAbstracts.896S-b
- 01/2004 **Granular cell tumor of the trachea in pregnancy: a case report and review of literature.** Ipakchi R. Zager WH. de Baca ME. Bloedon E. McCue PA. Zwillenberg D. *Laryngoscope.* 114(1):143-7, 2004 Jan doi: [10.1097/00005537-200401000-00026](https://doi.org/10.1097/00005537-200401000-00026).
- 10/2003 **Use of Web-based Surveys for Gathering and Distribution of Immunohistochemistry Protocols.** Monzon, FA, de Baca ME, Goldstein N, and Eisen R. Presented at Advancing Practice, Instruction, and Innovation through Informatics Conference (APIII), Pittsburgh, PA. <http://www.archivesofpathology.org/doi/full/10.1043/1543-2165%282004%29128<1089%3AAPIAIT>2.0.CO%3B2>
- The Pennsylvania Cancer Alliance Bioinformatics Consortium (PCABC): A Common Web-based Data Entry and Query Tool for a Statewide Virtual Biorepository.** Ashokkumar A. Patel, Monica E. de Baca, Rajnish Gupta, Yimin Nie, John Gilbertson. Presented APIII, Pittsburgh, PA. <http://www.archivesofpathology.org/doi/full/10.1043/1543-2165%282004%29128<1089%3AAPIAIT>2.0.CO%3B2>
- University Translational Research Opportunities in Bio- and Medical Informatics Seminar Bioinformatics in the Pathology Workplace: The Pennsylvania Cancer Alliance Bioinformatics Consortium (PCABC)** , Monica E. de Baca, Ashokkumar A. Patel, Rajnish Gupta, Yimin Nie, John Gilbertson.

- 09/2003 **Cytokeratin Profiles in Breast Cancer in Young Women.** M. E. de Baca, F.A. Monzon-Bordonaba, J.P. Palazzo. Abstract Presented at CAP '03, San Diego CA.
<http://www.archivesofpathology.org/doi/full/10.1043/1543-2165%282004%29128%3A%3AFTCOA%3A2.0.CO%3B2>
- 05/2003 **Role of tumor necrosis factor-alpha in graft-versus-host disease and graft-versus-leukemia responses.** Korngold R, Marini JC, de Baca ME, Murphy GF, Giles-Komar J. *Biol Blood Marrow Transplant.* 2003 May;9(5):292-303. doi: [10.1016/s1083-8791\(03\)00087-9](https://doi.org/10.1016/s1083-8791(03)00087-9)
- 4/2002 **Knockout Mäuse als transgene Nagermodelle der humanen autosomale rezessiven polyzystischen Nierenerkrankung (Knockout Mice as transgenic rodent model for human autosomal recessive polycystic kidney disease).** M. de Baca, S. Matthiesen, M. Moser, T. Eggerman, K. Zerres, R. Buettner. Presentation: 86th Tagung der Deutschen Gesellschaft für Pathologie, Vienna, Austria.
- 11/2002 **Spectrum of Mutations in the Gene for Autosomal Recessive Polycystic Kidney Disease (ARPKD/PKHD1).** Carsten Bergman, Jan Senderek, Beate Sedlacek...Monica de Baca.... *J Am Soc Nephrol* 2003 Jan; 14(1); 76-89 doi: [10.1038/ki.2008.111](https://doi.org/10.1038/ki.2008.111). Epub 2008 Apr 2.

WEBINARS / COURSES / PRESENTATIONS, ETC.

- 2024 **Introduction to Generative Artificial Intelligence: Contextualizing the Future.** Rajendra Singh, Ji Yeon Kim, Eric F. Glassy, Rajesh C. Dash, Victor Brodsky, Jansen Seheult, M. E. de Baca, Qiangqiang Gu, Shannon Hoekstra, Bobbi S. Pritt; *Arch Pathol Lab Med* 1 February 2025; 149 (2): 112–122. doi: <https://doi.org/10.5858/arpa.2024-0221-RA>
- Ethical and Regulatory Perspectives on Generative Artificial Intelligence in Pathology.** Brian R. Jackson, Hooman H. Rashidi, Jochen K. Lennerz, M. E. de Baca; *Arch Pathol Lab Med* 1 February 2025; 149 (2): 123–129.
doi: <https://doi.org/10.5858/arpa.2024-0205-RA>
- "Where Do We Go From Here? Prep for AII by Understanding your Daily Informatics Touchpoints",** CAP'24 Long Course, Director.
- 2023 **"Striking the Perfect Balance",** Data for Health Workshop, Boston MA, Speaker
- "Warren Investigating Google Efforts to Monetize Military Tissue Samples",** LE Compliance & Policy Report, Vol 1 No7, Sept 2023. Interview
- [Harnessing Technology to Improve Diagnostic Medicine: How Pathologists Can Leverage AI to Improve Patient Care](#), Becker's Healthcare podcast
- PIcc23: Unlocking the Potential of Digital Pathology and AI through Regulatory Science,** speaker
- AI and Readiness: Present and Future Implications for AI Growth on the Field of Pathology** Peter McCaffrey MD, ME de Baca, MD at CAP Pathologist Leadership Summit
- Update on the CAP Council on Informatics and Pathology Innovation and Digital Pathology CPT-3 Codes** ME de Baca, MD, 2023 ADASP Annual Meeting
- Flow 101- Fluids, Cells, & Measurements,** Sysmex Webinar
- 2022 **AI and Ethics: An Interactive Discussion** Brian Jackson MD, ME de Baca, MD at CAP Pathologist Leadership Summit
- 2020 **SARS-CoV2/COVID19: The 1918 pandemic of 2020,** Sysmex America Webinars
- 2018- **Pathology Informatics Essentials for Residents (PIER)** Curriculum, Contributing Editor
- 12/2014 **Integrated Disease Reporting: Order from (Almost) Chaos,** CAP Webinar, ME de Baca MD, George Birdsong MD
- 02/2014 **API/Sunquest Webinar:** Integrated Disease Reporting: Order from (Almost) Chaos, Faculty (with George Birdsong)

MEMBERSHIPS, LEADERSHIP POSITIONS and VARIED EXPERIENCES:

3/2025	CAP Inspection, Team Leader
10/2024-	CAP DEI Committee, Member
10-2024	CAP Compensation Committee Member
08/2023-	CAP, Informatics Technology Leadership Committee, Member
7/2023-11/23	CAP, CEO Search Committee
11/23-	Sequoia Lab Tiger Team, Member
06/2023-	Association for Diagnostics & Laboratory Medicine (ADLM) (ex AACC), Member
05/2023-	CAP, CEO Search Committee
11/2022-	CAP, Cybersecurity Working Group
11/2022-	CAP, Council on Informatics and Pathology Innovation, Founding Chair
11/2021-	CAP, ITLC - LMS working group
1/2022-	CLSI, Expert Panel on Hematology and Immunology and Ligand Assay, Advisor
11/22-	CAP Informatics Technology Leadership Committee, Member
09/2020	CAP, Inspection Team Leader, Mexico City, Mexico
06/2020-	CAP, SHIELD Initiative, Board Lead
04/20-10/22	CAP, Diversity, Equity and Inclusion Committee, Member
01/20-10/22	CAP, Artificial Intelligence Committee, Vice-Chair
01/2020-	CAP, Finance Committee, Member
01/2020-	CAP, Informatics Technology Leadership Committee, Advisor
12/2020-	CAP, Board of Governors, Governor
4/20-12/20	CAP, House of Delegates, Alternate
4/2020-	Murrietta Genomics, Advisory Committee
2/2020-8/2020	Ruleout.org , Principle
2020-21	Association for Pathology Informatics, Past-President
6/2019	Association for Molecular Pathology Bioinformatics in silico Validation Working Group
6/19-10/21	Gestalt Diagnostics, Advisory Committee
3/19-2020	CAP Informatics Technology Leadership Committee, Member
1/19-1/21	CAP Informatics Committee Liaison to SNOMED International
1/19-12/19	Association for Pathology Informatics, President
7/2018-	TRUU-Lab Initiative, Member
10/2018-	CAP Informatics Committee Liaison to SNOMED International
04/2018	Clinical Laboratory Improvement Advisory Committee (CLIAC) Nontraditional Testing Workflow Model Workgroup
01/2018	Association of Pathology Informatics (API), President Elect
2018-10/22	CAP Informatics Committee, Member
11/2017-2022	SNOMED CT Cancer Synoptic Reporting Working Group
6/2016-	Journal of Pathology Informatics Editorial Board, Member
2014-2018	Clinical Laboratory Improvement Advisory Committee (CLIAC), Centers for Disease Control and Prevention
10/'14-17	Association of Pathology Informatics (API), Membership Committee Member
03/2014	CAP: Breast Cancer Protocol Review Panel
11/13-1/17	DoveMed.Com Medical Editorial Board Member
10/2013	CAP Inspector Team Leader
05/2103-12/15	Publishers Weekly: Reviewer of Health-Related Publications
12/2012-	American Society of Hematology, Member
10/2012	Guest Lecturer: Jornada Internacional de Genética Humana, Universidad Nacional Pedro Ruiz Gallo, Lambayeque, Peru.

9/2011-3/16	CAP Center: Bone Marrow Synoptic Reporting Committee Member
4-11/2011	Harrison Medical Center Oncology Advisory Board Member
3-11/2011	Harrison Medical Center Cancer Committee, Member
3-11/2011	Harrison Medical Center, Medical Director of Clinical Laboratory
6/2011-	Pacific Northwest Society of Pathology, Member
5/2010	CAP Inspector Team Leader
09/09	Expert Panel on Cancer Reporting Information Technology College of American Pathologists and The Altarum Institute, Washington, DC
2009-2011	AJCC Informatics Committee, Member
2009-2010	CAP Pilot Mentor Program
2008-2017	CAP Diagnostic Intelligence Health Information Technology Committee (DIHIT)
2007-2010	CAP Pathology Electronic Reporting Committee, Founding Co-Chair
2006-	Society for Hematopathology, Member
2006-2012	CAP Cancer Committee, Hematolymphoid Cancer Protocol Review Panel
2006-2012	CAP Cancer Committee, Liaison to NAACR
2006-2012	CAP Cancer Committee, Member
2005-	CAP, Fellow
	American Society of Clinical Pathology, Fellow
9/2005-6/06	Albert Einstein Health Information Management Quality Assessment & Improvement Committee, Member
9/2005-	American Society of Clinical Pathology, Member
01/04–12/05	SNOMED International Editorial Board Junior Member
	SNOMED International Editions Validation Committees: Spanish & German
10/02-05/2005	Pennsylvania Cancer Alliance CDE Committee, Member
7/02-05/2005	Pennsylvania Cancer Alliance IRB Committee, Member
8/02-6/04	TJUH Ethics Committee, House Staff Representative
5/02-5/04	CAP-Resident's Forum, Delegate for Pennsylvania
3/02-	Association for Pathology Informatics, Member
3/02-1/05	Society for Applied Immunohistochemistry, Member
7/2002	CAP Inspector
9/01-7/02	TJUH Infection Control Committee, House Staff Representative
7/00-7/05	CAP, USCAP, Junior Member
8/99-7/00	Transitional Year Program, Texas Tech University, Resident Representative
10/1996-1997	Research & Patents (Reichenwalde, FRG). Vice President
	Medical product development and Patent research.
1987-1989	Department of Pathology, Universidad del Salvador, Tutor.
1986-1986	Editorial Panamericana (Buenos Aires, Argentina), Translated Aspiration Biopsy by L. Koss into Spanish

RESEARCH EXPERIENCES:

8/2003	University of Pittsburgh, Department of Molecular Diagnostics. Factor V Leiden and Prothrombin Mutations in Hepatic Allograft Transplantations with Jeffrey Kant, MD PhD
9-10/2001	Research Fellow: Universität-Bonn (Germany) Department of Pathology. (RWTH Aachen Lab) Molecular Pathology Research: Spectrum of Mutations in the Gene for Autosomal Recessive Polycystic Kidney Disease (ARPKD/PKHD1) with Prof. Dr. Reinhardt Büttner

11/1998-06/1999 **Visiting Associate Faculty Researcher: University of Iowa, Center for Macular Degeneration (Iowa City, Ia.).** Morphological Study of Granule type and distribution in Retinal Pigment Epithelium of AMD and non-AMD donor tissues with Gregory Hagemann PhD

LANGUAGE SKILLS: fluent in medical and vernacular English, Spanish, and German