

CURRICULUM VITAE

John M. Astle MD PhD

**Assistant Professor
Department of Pathology
Division of Administration**

OFFICE ADDRESS:

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CITIZENSHIP: U.S.A.

EDUCATION:

09/1999 - 05/2003 BA with Honors in Biology, University of Utah
06/2003 - 06/2011 M.D., Ph.D., University of Texas Southwestern Medical Center, Dallas

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/2011 - 06/2014 Anatomic Pathology Residency, Yale University/Yale New Haven Hospital, New Haven, CT
07/2014 - 06/2015 Postdoctoral Associate, Richard Flavell Laboratory, Department of Immunobiology, Yale University, New Haven, CT
07/2015 - 06/2016 Hematopathology Fellowship, Yale University/Yale New Haven Hospital, New Haven, CT

FACULTY APPOINTMENTS:

07/2016 - 05/2017 Clinical Lecturer/Instructor, Department of Pathology and Laboratory Medicine, Division of Hematopathology, University of Pennsylvania, 3400 Spruce Street, Philadelphia, Pennsylvania 19104
06/2017 - Present Assistant Professor, Hematopathology, Department of Pathology and Laboratory Medicine, The Medical College of Wisconsin, 9200 W. Wisconsin Avenue, Milwaukee, WI 53226

HOSPITAL STAFF PRIVILEGES:

07/2016 - 05/2017 Hospital of the University of Pennsylvania, 3400 Spruce Street, Philadelphia, PA 19104
06/2017 - Present Children's Hospital of Wisconsin, 8915 W. Connell Ct., Milwaukee, WI 53210
06/2017 - Present Froedtert Memorial Lutheran Hospital, 9200 W. Wisconsin Ave., Milwaukee, WI 53226

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
American Board of Pathology - Anatomic Pathology	07/2014	12/2024
American Board of Pathology - Hematopathology	09/2016	None

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
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Pennsylvania License	MD451651	04/16/2014	12/31/2018
Wisconsin License	66858-20	02/01/2017	10/31/2017

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

- 07/2017 - Present United States and Canadian Academy of Pathology
- 07/2017 - Present College of American Pathologists

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Regional

Next Generation Pathology Lecture, 11th Annual Hematology/Hematopathology Symposium. Syracuse

MEDICAL COLLEGE TEACHING ACTIVITIES:

Medical Student Education

- 07/2011 - 05/2017 One-on-one teaching of rotating medical students
- 07/2015 - 06/2016 Assisted with "flipped classroom" teaching

Resident and Fellow Education

- 07/2015 - 05/2017 One-on-one and small group teaching of residents
- 07/2015 - 05/2017 One-on-one teaching of fellows

COMMUNITY SERVICE ACTIVITIES:

- 09/2003 - 05/2017 Local church youth program leader
- 12/2014 - 06/2015 Project Perfect World, preparation and week-long trip to Guayaquil, Ecuador to surgically correct congenital orthopedic defects
- 07/2015 - 05/2017 Committee Chair, Boy Scouts of America troop 970

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Astle J, Kozlova T, Thummel CS. Essential roles for the Dhr78 orphan nuclear receptor during molting of the *Drosophila* tracheal system. *Insect Biochem Mol Biol*. 2003, Dec;33(12):1201-9.
2. Kathiriya IS, King IN, Murakami M, Nakagawa M, Astle JM, Gardner KA, Gerard RD, Olson EN, Srivastava D, Nakagawa O. Hairy-related transcription factors inhibit GATA dependent cardiac gene expression through a signal-responsive mechanism. *J Biol Chem*. 2004, Dec 24;279(52):54937-43.
3. Florell SR, Boucher KM, Garibotti G, Astle J, Kerber R, Mineau G, Wiggins C, Noyes RD, Tsodikov A, Cannon-Albright LA, Zone JJ, Samlowski WE, Leachman SA. Population based analysis of prognostic factors and survival in familial melanoma. *J Clin Oncol*. 2005, Oct 1;23(28):7168-77.
4. Astle JM, Udugamasooriya DG, Smallshaw JE, Kodadek T. A VEGFR2 antagonist and other peptoids evade immune recognition. *Int J Pep Res Ther*. 2008, 14(3): 223-227.
5. Qi X, Astle J, Kodadek T. Rapid identification of orexin receptor binding ligands using cell based screening accelerated with magnetic beads. *MolBiosyst*. 2009, 6(1): 102-107.
6. Astle JM. Rapid identification of antigen mimics from millions of synthetic molecules through coupled bead library screening and microarray analysis. PhD dissertation. University of Texas Southwestern Medical Center at Dallas. Dallas, TX, USA, 2009.
7. Astle JM, Simpson LS, Huang Y, Reddy MM, Wilson R, Connell S, Wilson J, Kodadek T. Seamless Bead to Microarray Screening: Rapid Identification of the Highest Affinity Protein Ligands from Large Combinatorial Libraries. *Chem Biol*. 2010, 17(1): 38-45.
8. Hughes JW, Guess MK, Hittelman A, Yip S, Astle J, Pal L, Inzucchi SE, Dulay AT. Clitoral epidermoid cyst presenting as pseudoclitoromegaly of pregnancy. *AJP Rep*. 2013 May;3(1):57-62.
9. Astle JM, Rose MG, Racke FK, Tormey CA, Siddon AJ. R634W KIT mutation in an adult with systemic mastocytosis. *Lab Med*. 2017 May 18.

Books, Chapters, and Reviews

1. Astle JM and Kodadek T. Microarray approaches to autoantibody profiling. In *Clinical proteomics: from*

- diagnosis to therapy, VanEyck JE and Dunn MJ (Eds.), Wiley-VCH: Weinheim, 2008, pp 511-532.
2. Onuoha C, Arshad J, Astle J, Xu M, Halene S. Novel Developments in Leukopenia and Pancytopenia. *Prim Care*. 2016 Dec;43(4):559-573. Review.

Editorials, Letters to Editor, Other

1. Astle J. ChIP-PET detects p53 binding to genome. *Mol Biosyst*. 2006, 2(3-4): 157-158.
2. Astle J, Ferguson JT, German JB, Harrigan GG, Kelleher NL, Kodadek T, Parks BA, Roth MJ, Singletary KW, Wenger CD, Mahady GB. Characterization of proteomic and metabolomic responses to dietary factors and supplements. *J Nutr*. 2007 Dec;137(12):2787-93.
3. Astle J. Biomarkers for the early diagnosis of Alzheimer's disease. *Mol Biosyst*. 2008, 4(1): 15-

Database, Video, or Other Research/Clinical Contributions

1. Guillod, P, Al-Omari, A, Astle, JM: On-line interactive resource to organize and access pathology data pertinent to differential diagnosis, www.DynamicDDx.org, ongoing development.