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CLINICAL OFFICE (PRIMARY)

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Bio

CLINICAL FOCUS

- Clinical Pathology

PROFESSIONAL EDUCATION

- Board Certification: Clinical Molecular Genetics and Genomics, American Board of Medical Genetics and Genomics (2018)
- Board Certification: Clinical Cytogenetics and Genomics, American Board of Medical Genetics and Genomics (2018)
- PhD Training: Baylor College of Medicine (2001) TX
- Fellowship: Stanford University Pathology Residency (2007) CA

Publications

PUBLICATIONS

- **Technical standards for the interpretation and reporting of constitutional copy-number variants: a joint consensus recommendation of the American College of Medical Genetics and Genomics (ACMG) and the Clinical Genome Resource (ClinGen).** *Genetics in medicine : official journal of the American College of Medical Genetics*
Riggs, E. R., Andersen, E. F., Cherry, A. M., Kantarci, S., Kearney, H., Patel, A., Raca, G., Ritter, D. I., South, S. T., Thorland, E. C., Pineda-Alvarez, D., Aradhya, S., Martin, et al
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- **Genetics in mainstream medicine: Finally within grasp to influence healthcare globally** *MOLECULAR GENETICS & GENOMIC MEDICINE*
Aradhya, S., Nussbaum, R. L.
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- **Noninvasive prenatal screening for aneuploidy: positive predictive values based on cytogenetic findings** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*
Meck, J. M., Dugan, E. K., Matyakhina, L., Aviram, A., Trunca, C., Pineda-Alvarez, D., Aradhya, S., Klein, R. T., Cherry, A. M.
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- **Noninvasive prenatal screening for aneuploidy: positive predictive values based on cytogenetic findings.** *American journal of obstetrics and gynecology*
Meck, J. M., Kramer Dugan, E., Matyakhina, L., Aviram, A., Trunca, C., Pineda-Alvarez, D., Aradhya, S., Klein, R. T., Cherry, A. M.
2015; 213 (2): 214 e1-5
- **ClinGen - The Clinical Genome Resource** *NEW ENGLAND JOURNAL OF MEDICINE*
Rehm, H. L., Berg, J. S., Brooks, L. D., Bustamante, C. D., Evans, J. P., Landrum, M. J., Ledbetter, D. H., Maglott, D. R., Martin, C. L., Nussbaum, R. L., Plon, S. E., Ramos, E. M., Sherry, et al
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- **Microdeletion 9q22.3 syndrome includes metopic craniosynostosis, hydrocephalus, macrosomia, and developmental delay** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*
Muller, E. A., Aradhya, S., Atkin, J. F., Carmany, E. P., Elliott, A. M., Chudley, A. E., Clark, R. D., Everman, D. B., Garner, S., Hall, B. D., Herman, G. E., Kivuva, E., Ramanathan, et al
2012; 158A (2): 391-399
- **Clinical and molecular delineation of the 17q21.31 microdeletion syndrome** *JOURNAL OF MEDICAL GENETICS*
Koolen, D. A., Sharp, A. J., Hurst, J. A., Firth, H. V., Knight, S. J., Goldenberg, A., Saugier-Verber, P., Pfundt, R., Vissers, L. E., Destree, A., Grisart, B., Rooms, L., Van der Aa, et al
2008; 45 (11): 710-720
- **Genetic analysis of attractin homologs** *GENESIS*
Walker, W. P., Aradhya, S., Hu, C., Shen, S., Zhang, W., Azarani, A., Lu, X., Barsh, G. S., Gunn, T. M.
2007; 45 (12): 744-756
- **Array-based comparative genomic hybridization: clinical contexts for targeted and whole-genome designs** *GENETICS IN MEDICINE*
Aradhya, S., Cherry, A. M.
2007; 9 (9): 553-559
- **Whole-genome array-CGH identifies novel contiguous gene deletions and duplications associated with developmental delay, mental retardation, and dysmorphic features** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*
Aradhya, S., Manning, M. A., Splendore, A., Cherry, A. M.
2007; 143A (13): 1431-1441
- **Novel cytogenetic alterations detected by array CGH in patients with developmental delay, dysmorphology, and mental retardation**
Aradhya, S., Shieh, J., Hoyme, E., Manning, M., Cherry, A. M.
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- **Nablus mask-like facial syndrome is caused by a microdeletion of 8q detected by array-based comparative genomic hybridization.** *American journal of medical genetics. Part A*
Shieh, J. T., Aradhya, S., Novelli, A., Manning, M. A., Cherry, A. M., Brumblay, J., Salpietro, C. D., Bernardini, L., Dallapiccola, B., Hoyme, H. E.
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- **A mouse keratin 1 mutation causes dark skin and epidermolytic hyperkeratosis** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*
McGowan, K. A., Aradhya, S., Fuchs, H., de Angelis, M. H., Barsh, G. S.
2006; 126 (5): 1013-1016
- **Nablus mask-like facial syndrome is caused by deletion in 8q21-8q22 detected by array-based comparative genomic hybridization.**
Shieh, J. T., Aradhya, S., Manning, M. A., Cherry, A. M., Dallapiccola, B., Hoyme, H. E.
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- **Dark skin mouse mutants reveal new genes involved in pigmentation** *66th Annual Meeting of the Society-for-Investigative-Dermatology*
McGowan, K., Aradhya, S., Fuchs, H., de Angelis, M. H., Barsh, G.
NATURE PUBLISHING GROUP.2005: A151-A151
- **The role of accessory proteins in melanocortin receptor signaling**
Barsh, G., Candille, S., He, L., Aradhya, S., Kerns, J.
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