



## Andrea Hanson-Kahn

- Clinical Associate Professor, Genetics
- Clinical Associate Professor, Pediatrics - Medical Genetics

### Bio

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#### ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Genetics
- Clinical Associate Professor, Pediatrics - Medical Genetics

#### PROFESSIONAL EDUCATION

- BA, University of California, Berkeley , Molecular Cell Biology (1996)
- MS, University of California, Irvine , Genetic Counseling (2000)

### Teaching

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#### COURSES

##### 2020-21

- A Case Based Approach to Clinical Genetics: CHPR 274A (Win)
- A Case Based Approach to Clinical Genetics: CHPR 274B (Spr)
- A Case Based Approach to Clinical Genetics: GENE 274A (Win)
- A Case Based Approach to Clinical Genetics: GENE 274B (Spr)
- Genetic Counseling Fieldwork: GENE 276 (Aut, Win, Spr)
- Human Molecular Genetics: CHPR 271, GENE 271 (Aut)
- Introduction to Clinical Genetics Testing: GENE 273 (Aut)

##### 2019-20

- A Case Based Approach to Clinical Genetics: CHPR 274A (Win)
- A Case Based Approach to Clinical Genetics: CHPR 274B (Spr)
- A Case Based Approach to Clinical Genetics: GENE 274A (Win)
- A Case Based Approach to Clinical Genetics: GENE 274B (Spr)
- Advanced Genetic Counseling Seminar: GENE 286 (Aut, Win)
- Genetic Counseling Clinical Rotations: GENE 276 (Aut, Win, Spr, Sum)
- Human Molecular Genetics: CHPR 271, GENE 271 (Aut)
- Introduction to Clinical Genetics Testing: GENE 273 (Aut)
- Medical Genetics Seminar: CHPR 284, GENE 284 (Aut, Spr)

#### 2018-19

- A Case Based Approach to Clinical Genetics: CHPR 274A (Win)
- A Case Based Approach to Clinical Genetics: CHPR 274B (Spr)
- A Case Based Approach to Clinical Genetics: GENE 274A (Win)
- A Case Based Approach to Clinical Genetics: GENE 274B (Spr)
- Advanced Genetic Counseling Seminar: GENE 286 (Aut, Win, Spr)
- Genetic Counseling Clinical Rotations: GENE 276 (Aut, Win, Spr, Sum)
- Human Molecular Genetics: CHPR 271, GENE 271 (Aut)
- Introduction to Clinical Genetics Testing: GENE 273 (Aut)
- Medical Genetics Seminar: CHPR 284, GENE 284 (Spr)

#### 2017-18

- A Case Based Approach to Clinical Genetics: CHPR 274A (Win)
- A Case Based Approach to Clinical Genetics: CHPR 274B (Spr)
- A Case Based Approach to Clinical Genetics: GENE 274A (Win)
- A Case Based Approach to Clinical Genetics: GENE 274B (Spr)
- Advanced Genetic Counseling Seminar: GENE 286 (Aut, Win, Spr)
- Genetic Counseling Clinical Rotations: GENE 276 (Aut, Win, Spr, Sum)
- Human Molecular Genetics: CHPR 271, GENE 271 (Aut)
- Introduction to Clinical Genetics Testing: GENE 273 (Aut)

### STANFORD ADVISEES

#### Master's Program Advisor

Beatriz Anguiano, Claire Barton, Kirsten Blanco, Sabina Cook, Sarah Sturm, Leena Tran, Monty Worthington, Megan Yabumoto

### Publications

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#### PUBLICATIONS

- **Xq22 deletions and correlation with distinct neurological disease traits in females: further evidence for a contiguous gene syndrome.** *Human mutation*  
Hijazi, H., Coelho, F. S., Gonzaga-Jauregui, C., Bernardini, L., Mar, S. S., Manning, M. A., Hanson-Kahn, A., Naidu, S., Srivastava, S., Lee, J. A., Jones, J. R., Friez, M. J., Alberico, et al  
2019
- **Understanding variants of uncertain significance in the era of multigene panels: Through the eyes of the patient** *JOURNAL OF GENETIC COUNSELING*  
Reuter, C., Chun, N., Pariani, M., Hanson-Kahn, A.  
2019; 28 (4): 878–86
- **Use of genetic risks in pediatric organ transplantation listing decisions: A national survey** *PEDIATRIC TRANSPLANTATION*  
Graf, M., Char, D., Hanson-Kahn, A., Magnus, D.  
2019; 23 (4)
- **Use of genetic risks in pediatric organ transplantation listing decisions: A national survey.** *Pediatric transplantation*  
Graf, M., Char, D., Hanson-Kahn, A., Magnus, D.  
2019: e13402
- **Developing a genomics rotation: Practical training around variant interpretation for genetic counseling students** *JOURNAL OF GENETIC COUNSELING*  
Grove, M. E., White, S., Fisk, D. G., Rego, S., Dagan-Rosenfeld, O., Kohler, J. N., Reuter, C. M., Bonner, D., Wheeler, M. T., Bernstein, J. A., Ormond, K. E., Hanson-Kahn, A. K., Undiagnosed Dis Network

2019; 28 (2): 466–76

- **Developing a genomics rotation: Practical training around variant interpretation for genetic counseling students.** *Journal of genetic counseling*  
Grove, M. E., White, S. n., Fisk, D. G., Rego, S. n., Dagan-Rosenfeld, O. n., Kohler, J. N., Reuter, C. M., Bonner, D. n., Wheeler, M. T., Bernstein, J. A., Ormond, K. E., Hanson-Kahn, A. K.  
2019
- **Positive Attitudes and Therapeutic Misconception Around Hypothetical Clinical Trial Participation in the Huntington's Disease Community.** *Journal of Huntington's disease*  
Cotter, K. n., Siskind, C. n., Sha, S. n., Hanson-Kahn, A. n.  
2019
- **Understanding variants of uncertain significance in the era of multigene panels: Through the eyes of the patient.** *Journal of genetic counseling*  
Reuter, C. n., Chun, N. n., Pariani, M. n., Hanson-Kahn, A. n.  
2019
- **Autosomal recessive Stickler syndrome resulting from a COL9A3 mutation.** *American journal of medical genetics. Part A*  
Hanson-Kahn, A., Li, B., Cohn, D. H., Nickerson, D. A., Bamshad, M. J., University of Washington Center for Mendelian Genomics, Hudgins, L.  
2018
- **"This could be me": exploring the impact of genetic risk for Huntington's disease young caregivers.** *Journal of community genetics*  
Dondanville, D. S., Hanson-Kahn, A. K., Kavanaugh, M. S., Siskind, C. E., Fanos, J. H.  
2018
- **Evolving Decisions: Perspectives of Active and Athletic Individuals with Inherited Heart Disease Who Exercise Against Recommendations.** *Journal of genetic counseling*  
Subas, T., Luiten, R., Hanson-Kahn, A., Wheeler, M., Caleshu, C.  
2018
- **De Novo Missense Variants in TRAF7 Cause Developmental Delay, Congenital Anomalies, and Dysmorphic Features.** *American journal of human genetics*  
Tokita, M. J., Chen, C. A., Chitayat, D. n., Macnamara, E. n., Rosenfeld, J. A., Hanchard, N. n., Lewis, A. M., Brown, C. W., Marom, R. n., Shao, Y. n., Novacic, D. n., Wolfe, L. n., Wahl, et al  
2018
- **MACF1 Mutations Encoding Highly Conserved Zinc-Binding Residues of the GAR Domain Cause Defects in Neuronal Migration and Axon Guidance.** *American journal of human genetics*  
Dobyns, W. B., Aldinger, K. A., Ishak, G. E., Mirzaa, G. M., Timms, A. E., Grout, M. E., Dremmen, M. H., Schot, R. n., Vandervore, L. n., van Slegtenhorst, M. A., Wilke, M. n., Kasteleijn, E. n., Lee, et al  
2018
- **Sleep Disturbances in Individuals With Phelan-McDermid Syndrome: Correlation With Caregivers' Sleep Quality and Daytime Functioning** *SLEEP*  
Bro, D., O'Hara, R., Primeau, M., Hanson-Kahn, A., Hallmayer, J., Bernstein, J. A.  
2017; 40 (2)
- **The genomic landscape of balanced cytogenetic abnormalities associated with human congenital anomalies.** *Nature genetics*  
Redin, C., Brand, H., Collins, R. L., Kammin, T., Mitchell, E., Hodge, J. C., Hanscom, C., Pillalamarri, V., Seabra, C. M., Abbott, M., Abdul-Rahman, O. A., Aberg, E., Adley, et al  
2017; 49 (1): 36-45
- **FOXP1-related intellectual disability syndrome: a recognisable entity.** *Journal of medical genetics*  
Meerschaut, I. n., Rochefort, D. n., Revençu, N. n., Pètre, J. n., Corsello, C. n., Rouleau, G. A., Hamdan, F. F., Michaud, J. L., Morton, J. n., Radley, J. n., Ragge, N. n., García-Miñaur, S. n., Lapunzina, et al  
2017; 54 (9): 613–23
- **Germline Loss-of-Function Mutations in EPHB4 Cause a Second Form of Capillary Malformation-Arteriovenous Malformation (CM-AVM2) Deregulating RAS-MAPK Signaling.** *Circulation*  
Amyere, M. n., Revençu, N. n., Helaers, R. n., Pairet, E. n., Baselga, E. n., Cordisco, M. R., Chung, W. K., Dubois, J. n., Lacour, J. P., Martorell, L. n., Mazereeuw-Hautier, J. n., Pyeritz, R. E., Amor, et al  
2017
- **The genomic landscape of balanced cytogenetic abnormalities associated with human congenital anomalies** *NATURE GENETICS*

- Redin, C., Brand, H., Collins, R. L., Kammin, T., Mitchell, E., Hodge, J. C., Hanscom, C., Pillalamarri, V., Seabra, C. M., Abbott, M., Abdul-Rahman, O. A., Aberg, E., Adley, et al  
2017; 49 (1): 36-45
- **Impact of Huntington Disease Gene-Positive Status on Pre-Symptomatic Young Adults and Recommendations for Genetic Counselors** *JOURNAL OF GENETIC COUNSELING*  
Gong, P., Fanos, J. H., Korty, L., Siskind, C. E., Hanson-Kahn, A. K.  
2016; 25 (6): 1188-1197
  - **Clinical Course of Six Children With GNAO1 Mutations Causing a Severe and Distinctive Movement Disorder** *PEDIATRIC NEUROLOGY*  
Ananth, A. L., Robichaux-Viehoever, A., Kim, Y., Hanson-Kahn, A., Cox, R., Enns, G. M., Strober, J., Willing, M., Schlaggar, B. L., Wu, Y. W., Bernstein, J. A.  
2016; 59: 81-84
  - **Clinical Delineation of the PACS1-Related Syndrome-Report on 19 Patients** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*  
Schuurs-Hoeijmakers, J. H., Landsverk, M. L., Foulds, N., Kukulich, M. K., Gavrilova, R. H., Greville-Heygate, S., Hanson-Kahn, A., Bernstein, J. A., Glass, J., Chitayat, D., Burrow, T. A., Husami, A., Collins, et al  
2016; 170 (3): 670-675
  - **Cold-aggravated pain in humans caused by a hyperactive Na(V)1.9 channel mutant** *NATURE COMMUNICATIONS*  
Leipold, E., Hanson-Kahn, A., Frick, M., Gong, P., Bernstein, J. A., Voigt, M., Katona, I., Goral, R. O., Altmueller, J., Nuernberg, P., Weis, J., Huebner, C. A., Heinemann, et al  
2015; 6
  - **Cold-aggravated pain in humans caused by a hyperactive NaV1.9 channel mutant.** *Nature communications*  
Leipold, E., Hanson-Kahn, A., Frick, M., Gong, P., Bernstein, J. A., Voigt, M., Katona, I., Oliver Goral, R., Altmüller, J., Nürnberg, P., Weis, J., Hübner, C. A., Heinemann, et al  
2015; 6: 10049-?
  - **Underutilization of Genetics Services for Autism: The Importance of Parental Awareness and Provider Recommendation** *JOURNAL OF GENETIC COUNSELING*  
Vande Wydeven, K., Kwan, A., Hardan, A. Y., Bernstein, J. A.  
2012; 21 (6): 803-813
  - **Marked variability in the radiographic features of cartilage-hair hypoplasia: Case report and review of the literature** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*  
Kwan, A., Manning, M. A., Zollars, L. K., Hoyme, H. E.  
2012; 158A (11): 2911-2916
  - **Report of Two Patients and Further Characterization of Interstitial 9p13 Deletion-A Rare But Recurrent Microdeletion Syndrome?** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*  
Niemi, A., Kwan, A., Hudgins, L., Cherry, A. M., Manning, M. A.  
2012; 158A (9): 2328-2335
  - **What Is Your Diagnosis? The Diagnosis: Trichorhinophalangeal Syndrome Type I** *CUTIS*  
Snyder, J. R., Berk, D. R., Kwan, A., Hudgins, L., Bruckner, A. L.  
2012; 89 (2): 56-?
  - **Ectopia Lentis as the Presenting and Primary Feature in Marfan Syndrome** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*  
Zadeh, N., Bernstein, J. A., Niemi, A. K., Dugan, S., Kwan, A., Liang, D., Hyland, J. C., Hoyme, H. E., Hudgins, L., Manning, M. A.  
2011; 155A (11): 2661-2668
  - **Clues to an Early Diagnosis of Kallmann Syndrome** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*  
Kaplan, J. D., Bernstein, J. A., Kwan, A., Hudgins, L.  
2010; 152A (11): 2796-2801
  - **Brachydactyly A-1 mutations restricted to the central region of the N-terminal active fragment of Indian Hedgehog** *EUROPEAN JOURNAL OF HUMAN GENETICS*  
Byrnes, A. M., Racacho, L., Grimsey, A., Hudgins, L., Kwan, A. C., Sangalli, M., Kidd, A., Yaron, Y., Lau, Y., Nikkel, S. M., Bulman, D. E.  
2009; 17 (9): 1112-1120
  - **Hypoplastic Glomerulocystic Kidney Disease and Hepatoblastoma A Potential Association not Caused by Mutations in Hepatocyte Nuclear Factor 1 beta** *JOURNAL OF PEDIATRIC HEMATOLOGY ONCOLOGY*

Abdul-Rahman, O. A., Edghill, E. L., Kwan, A., Enns, G. M., Hattersley, A. T.  
2009; 31 (7): 527-529

- **Clinical Utility of Array Comparative Genomic Hybridization: Uncovering Tumor Susceptibility in Individuals with Developmental Delay** *JOURNAL OF PEDIATRICS*

Adam, M. P., Justice, A. N., Schelley, S., Kwan, A., Hudgins, L., Martin, C. L.  
2009; 154 (1): 143-146

- **Unilateral aquagenic wrinkling of the palms associated with aspirin intake** *ARCHIVES OF DERMATOLOGY*

Khuu, P. T., Duncan, K. O., Kwan, A., Hoyme, H. E., Bruckner, A. L.  
2006; 142 (12): 1661-1662

- **Genitopatellar syndrome: expanding the phenotype and excluding mutations in LMX1B and TBX4.** *American journal of medical genetics. Part A*

Abdul-Rahman, O. A., La, T. H., Kwan, A., Schlaubitz, S., Barsh, G. S., Enns, G. M., Hudgins, L.  
2006; 140 (14): 1567-1572

- **Methotrexate/misoprostol embryopathy: Report of four cases resulting from failed medical abortion** *Bryan D Hall Festschrift 2003*

Adam, M. P., Manning, M. A., Beck, A. E., Kwan, A., Enns, G. M., Clericuzio, C., Hoyme, H. E.  
WILEY-LISS.2003: 72-78

- **Sequence and analysis of chromosome 1 of the plant *Arabidopsis thaliana*** *NATURE*

Theologis, A., Ecker, J. R., Palm, C. J., Federspiel, N. A., Kaul, S., White, O., Alonso, J., Altafi, H., Araujo, R., Bowman, C. L., Brooks, S. Y., Buehler, E., Chan, et al  
2000; 408 (6814): 816-820