**NERGG 45th Annual Educational Conference 2022 Program Objectives**

| **SESSION** | **SPEAKER(S)** | **OBJECTIVES**Participants will be able to… | **NSGC CONTACT****HOURS (pending approval)** |
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| Sickle Cell Disease: Overview, Treatment, and Future Directions | Jean-Antoine Ribeil, MD | 1. Identify the etiology and sequelae of Sickle Cell Disease
2. Examine treatment options for SCD, including medication, transplant, and gene therapy
 | 1 |
| The Personal Genetics Education Project at Harvard Medical School | Marnie Gelbart, PhDRobin Bowman, M.Ed. | 1. Define the social and personal impacts of genetics
2. List strategies for engaging with students and communities about the benefits and concerns related to personal genetics
 | 1 |
| Beyond the Pale: A Closer Look at Albinism  | Karen Bly, BS, BAKaitlin O’Connell, MS, CGC Lee Laughlin, MEdAlix Laughlin, RN | 1. Identify derivatives of albinism
2. Examine components of genetic counseling for people with albinism
3. List resources and supports for people with albinism
 | 1 |
| Prenatal Exome Testing | Erin Ryan, MS, CGC, LGC | 1. List clinical indications for prenatal exome testing
2. Identify the most common diagnoses resulting from prenatal exome testing
 | 1 |
| CANNEW: research updates | Maya Chopra, MBBS, FRACPOlaf Bodamer, MD, PhD | 1. Examine a framework for the

evaluation and prioritization of NDD genes for gene-based therapy.1. Outline current programs of the National Organization for Rare Disorders (NORD) Rare Disease Center of Excellence at Boston Children’s Hospital
 | 1 |
| The Genetics of Spina Bifida | Richard Finnell, PhDElizabeth Ross, MD, PhDJean Bertschmann, BAJudy Thibadeau, RN, MNNathan and Julia Bellerose | 1. Summarize the epidemiology of Spina Bifida2. Indicate genetic pathways involved in Spina Bifida3. Identify research into the causes of neural tube defects4. Illustrate resources available to individuals with Spina Bifida | 1.25 |
| The Genetics of Autism | Naomi Meeks, MDRyan Doan, PhDBrenda Dater, MPH, MSWPaul Micallef, BE, BTech | 1. State the current understanding of the role of genetics in autism, to include evaluation and testing
2. Examine the contribution of non-coding regions of the exome related to autism
3. Summarize services and supports available to individuals with autism
4. Examine the experience of a late-diagnosed adult with autism
 | 1.25 |
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