



Event Website: <https://www.fda.gov/drugs/news-events-human-drugs/fda-cder-nih-ncats-regulatory-fitness-rare-disease-clinical-trials-workshop-05162022>

VideoCast (Day 1): <https://videocast.nih.gov/watch=46190>

Day 1 (May 16, 2022) Timestamps

0:00:15 Welcoming Remarks – *Kerry Jo Lee, M.D. and Philip John (P.J.) Brooks, Ph.D.*

Session 1

0:04:03 Approach to Demonstrating Substantial Evidence of Effectiveness for Rare Disease Drug Products

0:05:17 Approach to Demonstrating Substantial Evidence of Effectiveness for Rare Disease Drug Development: Overview Considerations – *Janet Maynard, M.D., M.H.S.*

0:25:45 Demonstrating Substantial Evidence of Effectiveness – *Jennifer Rodriguez Pippins, M.D., M.P.H.*

0:38:38 Role of Translational Science in Rare Disease Drug Development – *Jeff Siegel, M.D.*

0:56:37 Session 1 Q&A

Session 2

1:37:35 Case Studies — An Academic Perspective

1:39:10 Hutchinson-Gilford Progeria Syndrome: An ultra-rare disease pathway to drug approval – *Leslie B. Gordon, M.D., Ph.D.*

2:03:52 sBLA: Anakinra and Riloncept in DIRA – *Raphaela T. Goldbach-Mansky, M.D., M.H.S.*

2:21:21 Baricitinib in CANDLER Patients – *Bita Shakoory, M.D.*

2:49:41 Session 2 Q&A

Session 3

2:57:21 Core Principles for Clinical Trials

2:58:31 Dose Optimization for Rare Diseases – *Jie (Jack) Wang, Ph.D.*

3:16:55 Core Principles for Clinical Trials – *Katie Donohue, M.D., M.Sc.*

3:38:15 Statistical Considerations in Rare Disease Clinical Trials – *Yan Wang, Ph.D.*

4:02:10 Session 3 Q&A

Session 4

4:20:04 Case Studies — Real World Experiences

4:20:56 From biomarker to study to basket: trials and tribulations of advancing science from the bedside or bench to trials: two models in academia – *Andrea L. Gropman, M.D.*

4:40:28 Brittle Bone Disorders Consortium: Translating Discoveries to Therapy and Clinical trial Readiness – *Brendan H.L. Lee, M.D., Ph.D.*

5:03:27 Resolving Disease Heterogeneity for Targeted Therapies in Rare Glomerular Disease: From syndrome disease classes to precision medicine trials – *Matthias Kretzler, M.D.*

5:21:58 Session 4 Q&A



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VideoCast (Day 2): <https://videocast.nih.gov/watch=46191>

Day 2 (May 17, 2022) Timestamps

0:00:25 Welcome – *Kerry Jo Lee, M.D.*

Session 5

0:03:15 The Nuts and Bolts of Investigational New Drug (IND) Applications and Additional Considerations

0:05:20 Understanding the Investigational New Drug (IND) Application Process – *Mari Suzuki, M.D. and Margaret Kober, R.Ph., M.B.A.*

0:43:13 Pediatric Considerations in Rare Disease Drug Development – *Shamir Tuchman, M.D., M.P.H.*

1:07:06 Nonclinical Perspective on the Development of Drugs for Rare Diseases – *Arianne L. Motter, Ph.D., DABT*

1:33:10 Session 5 Q&A

Session 6

2:02:07 Additional Pathways to Interact with FDA CDER

2:03:07 Critical Path Innovation Meetings (CPIM) – *Chekesha Clingman-Henry, Ph.D., M.B.A.*

2:11:46 Patient-Focused Drug Development – *Robyn Bent, R.N., M.S.*

2:29:00 Session 6 Q&A

2:43:03 Closing Remarks – *Kerry Jo Lee, M.D. and Alice Chen Grady, M.D.*