**Public Library of Science *DNA Science* blog, by Ricki Lewis**

**(\*“*Human Genetics: Concepts and Applications*” by Ricki Lewis, editions 10 and 11)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Headline** | **Link** | **Topic** | **Chapter\*** |
| How Ebola Kills | http://blogs.plos.org/dnascience/2014/08/14/ebola-kills/ | translation, immunology | 10, 17 |
| ALS Target: Microglia | <http://blogs.plos.org/dnascience/2014/08/06/new-als-target-microglia/> | stem cells | 2 |
| Gene Test Predicts Blindness After Lasik | <http://blogs.plos.org/dnascience/2014/07/31/gene-test-predicts-blindness-lasik/> | genetic testing | 20 |
| Vaccine Memories: From Polio to Autism | <http://blogs.plos.org/dnascience/2014/07/17/vaccine-memories-polio-autism/> | autism, vaccines | 8, 17 |
| Wilson Disease – A Genetic Success Story | <http://blogs.plos.org/dnascience/2014/07/03/wilson-disease-genetic-success-story/> | inborn errors | 2, 4 |
| Getting to the Bottom of Fecal Transplants | <http://blogs.plos.org/dnascience/2014/06/26/getting-bottom-fecal-transplants/> | microbiome | 2 |
| Catching Up With 3 Rare Disease Families | <http://blogs.plos.org/dnascience/2014/06/19/catching-3-rare-disease-families/> | rare diseases | 4, 19, 20 |
| Eliza’s Journey: Part 2 | <http://blogs.plos.org/dnascience/2014/06/12/elizas-journey-part-2/> | rare diseases | 4, 19, 20 |
| Eliza’s Journey: Part 1 | <http://blogs.plos.org/dnascience/2014/05/29/elizas-journey-part-1/> | rare diseases | 4, 19, 20 |
| A Checklist for Gene Therapy from the UK Cystic Fibrosis Trial  | <http://blogs.plos.org/dnascience/2014/05/22/checklist-gene-therapy-uk-cystic-fibrosis-trial/> | cystic fibrosis, gene therapy | 4, 20 |
| Of Tissue Engineered Vaginas and Default Options  | <http://blogs.plos.org/dnascience/2014/05/15/tissue-engineered-vaginas-default-options/> | development | 3 |
| Great News For The Progeria Community  | <http://blogs.plos.org/dnascience/2014/05/08/great-news-progeria-community/> | development | 3 |
| Mutations in 115-Year-Old Provide Perspective for Personal Genome Sequencing  | <http://blogs.plos.org/dnascience/2014/05/01/mutations-115-year-old-provide-perspective-personal-genome-sequencing/> | mutation, genomes | 12, 22 |
| Celebrating DNA Day, 2014  | <http://blogs.plos.org/dnascience/2014/04/24/celebrating-dna-day-2014/> | DNA | 9, 10, 11 |
| Chromosomal Clues to Past Pregnancy Loss | <http://blogs.plos.org/dnascience/2014/04/17/chromosomal-clues-past-pregnancy-loss/> | development chromo-somes | 3, 13 |
| Call the Midwife Evokes Cystic Fibrosis in a Simpler Time | <http://blogs.plos.org/dnascience/2014/04/10/call-midwife-evokes-cystic-fibrosis-simpler-time/> | cystic fibrosis | 4 |
| ALS Treatment (in Cells) – Too Late for Glenn, But Wonderful News  | <http://blogs.plos.org/dnascience/2014/04/03/als-treatment-late-glenn-wonderful-news/> | stem cells | 2 |
| Clinical Whole Genome Sequencing: Not Quite Ready for Prime Time?  | <http://blogs.plos.org/dnascience/2014/03/13/clinical-whole-genome-sequencing-quite-ready-prime-time/> | genomes | 22 |
| Mitohype: 3-Parent Designer Babies Who Will Change Human Evolution  | <http://blogs.plos.org/dnascience/2014/03/06/mitohype-3-parent-designer-babies-revisited/> | mitochondrial DNA | 5 |
| [Rare Disease Day 2014: A Parent Fights to Cure Blindness](http://blogs.plos.org/dnascience/2014/02/27/parent-fighting-cure-blindness/) | <http://blogs.plos.org/dnascience/2014/02/27/parent-fighting-cure-blindness/> | rare diseases | 4, 20 |
| Exon Skipping: Borrowing from Nature to Treat Rare Genetic Diseases  | <http://blogs.plos.org/dnascience/2014/02/20/exon-skipping-borrowing-nature-treat-rare-genetic-diseases/> | treating disease | 19 |
| Patient-Specific Stem Cells Recapitulate Age-Related Macular Degeneration  | <http://blogs.plos.org/dnascience/2014/02/13/patient-specific-stem-cells-recapitulate-age-related-macular-degeneration/> | stem cells | 2 |
| Probing Polar Bodies to Pick Disease-Free Embryos  | <http://blogs.plos.org/dnascience/2014/02/06/polar-body-testing-identifies-disease-free-embryos/> | development | 3, 21 |
| Gene Therapy News: Brain, Skin, Eye  | <http://blogs.plos.org/dnascience/2014/01/23/gene-therapy-news-brain-skin-eye/> | gene therapy | 20 |
| SyFy’s Helix: Tired Plot, Bad Science, Fun  | <http://blogs.plos.org/dnascience/2014/01/16/syfys-helix-tired-plot-bad-science-fun/> | DNA | 9 |
| Dan Brown’s “Inferno”: Good Plot, Bad Science  | <http://blogs.plos.org/dnascience/2014/01/09/dan-browns-inferno-good-plot-bad-science/> | DNA | 9 |
| Diets That Treat Genetic Disease – Three Classic Cases  | <http://blogs.plos.org/dnascience/2014/01/02/diets-that-treat-genetic-disease-three-classic-cases/> | rare diseases | 4, 19, 20 |
| Did Mexicans Inherit Diabetes Risk from Neanderthals?  | <http://blogs.plos.org/dnascience/2013/12/25/did-mexicans-inherit-diabetes-risk-from-neanderthals/> | human origins | 16 |
| Autism, Seizures, and the Amish  | <http://blogs.plos.org/dnascience/2013/12/19/autism-seizures-and-the-amish/> | rare diseases, autism | 4, 8, 19, 20 |
| An Advocate for the Amish at a Very Special Clinic  | <http://blogs.plos.org/dnascience/2013/12/12/an-advocate-for-the-amish-at-a-very-special-clinic/> | rare diseases | 4, 19, 20 |
| A Brother’s Love Fights Genetic Disease  | <http://blogs.plos.org/dnascience/2013/12/05/a-brothers-love-fights-genetic-disease/> | rare diseases | 4, 19, 20 |
| Why 23andMe is Not for Me — Yet  | <http://blogs.plos.org/dnascience/2013/11/27/why-23andme-is-not-for-me-yet/> | Genetic testing | 20 |
| Another Blind Boy Sees the Light, Thanks to Gene Therapy  | <http://blogs.plos.org/dnascience/2013/11/21/another-blind-boy-sees-the-light-thanks-to-gene-therapy/> | gene therapy | 20 |
| NextCODE Health Mines deCODE’s Data, and More, to Catalyze Clinical Diagnosis  | <http://blogs.plos.org/dnascience/2013/11/14/nextcode-health-mines-decodes-data-and-more-to-catalyze-clinical-diagnosis/> | genomics | 22 |
| Tracing African-American Roots Through DNA  | <http://blogs.plos.org/dnascience/2013/10/31/tracing-african-american-roots-through-dna/> | human origins | 16 |
| From Gene Therapy to Chromosome Therapy: The New Gets Old as The Old Becomes New  | <http://blogs.plos.org/dnascience/2013/10/24/from-gene-therapy-to-chromosome-therapy-the-new-gets-old-as-the-old-becomes-new/> | Chromo-somes, gene therapy | 13, 20 |
| Keeping Up With the Hominins  | <http://blogs.plos.org/dnascience/2013/10/17/keeping-up-with-the-hominins/> | human origins | 16 |
| How Craig Venter Created Life  | <http://blogs.plos.org/dnascience/2013/10/10/how-craig-venter-created-life/> | synthetic biology | 9 |
| When Does a Human Life Begin? 17 Timepoints  | <http://blogs.plos.org/dnascience/2013/10/03/when-does-a-human-life-begins-17-timepoints/> | development | 3 |
| A BRCA Journey | [http://blogs.plos.org/dnascience/2013/09/27/a-brca-journey/](http://blogs.plos.org/dnascience/2013/09/27/a-brca-journey/%20%20%20)   | cancer | 18 |
| DNA Analysis of Chobani Yogurt | <http://blogs.plos.org/dnascience/2013/09/19/dna-analysis-of-chobani-yogurt-guest-post-by-nick-conley/> | DNA | 9 |
| A Very Special Birthday for a Young Man with Trisomy 18  | <http://blogs.plos.org/dnascience/2013/09/05/a-very-special-birthday-for-a-young-man-with-trisomy-18/> | chromo-somes | 13 |
| 10 Reasons Why Growing a Human Brain-in-a-Dish is Terrific  | <http://blogs.plos.org/dnascience/2013/08/28/10-reasons-why-growing-a-human-brain-in-a-dish-is-terrific/> | development | 3 |
| Cholesterol Ups and Downs | <http://blogs.plos.org/dnascience/2013/08/22/cholesterol-ups-and-downs/> | rare diseases, Rett syndrome, transcript-tion | 4, 6, 11 |
| Is the Havasupai Case a Fairy Tale?  | <http://blogs.plos.org/dnascience/2013/08/15/is-the-havasupai-indian-case-a-fairy-tale/> | human origins, bioethics | 16 |
| HeLa, the Havasupai, and Informed Consent  | <http://blogs.plos.org/dnascience/2013/08/08/hela-the-havasupai-and-informed-consent/> | human origins, bioethics | 16 |
| Polar Bear Genome Reflects Climate Change  | <http://blogs.plos.org/dnascience/2013/08/01/polar-bear-genome-reflects-climate-change/> | genomes | 22 |
| Let’s Slow the Race to Sequence Everyone’s Genome: 3 Views  | <http://blogs.plos.org/dnascience/2013/07/25/lets-slow-the-race-to-sequence-everyones-genome-3-views/> | genomes | 22 |
| Complex Controls to Make a Mouse Limb  | <http://blogs.plos.org/dnascience/2013/07/18/complex-controls-to-make-a-mouse-limb/> | development | 3 |
| DNA Forensic Profiling Anniversaries in June | <http://blogs.plos.org/dnascience/2013/07/11/dna-forensic-profiling-anniversaries-in-june-july/> | DNA profiling | 14 |
| When a Disease is Genetic But Not Inherited: Bea Rienhoff’s Story  | <http://blogs.plos.org/dnascience/2013/07/04/when-a-disease-is-genetic-but-not-inherited-bea-rienhoffs-story/> | rare diseases | 4 |
| Gene Therapy Kids Update | <http://blogs.plos.org/dnascience/2013/06/27/gene-therapy-kids-update/> | gene therapy | 20 |
| A Brief History of DNA Patents  | <http://blogs.plos.org/dnascience/2013/06/20/a-brief-history-of-dna-patents/> | DNA patents | 19 |
| Genetics Errors in Supreme Court Decision  | <http://blogs.plos.org/dnascience/2013/06/13/genetics-errors-in-supreme-court-decision/> | DNA, genetic modification  | 9, 19 |
| Two Intriguing Tumors: Fibroids and Teratomas  | <http://blogs.plos.org/dnascience/2013/06/13/two-intriguing-tumors-fibroids-and-teratomas/> | development | 3 |
| Battling Batten Disease  | <http://blogs.plos.org/dnascience/2013/06/06/battling-batten-disease/> | rare diseases | 4, 19, 20 |
| Juvenile Huntington’s Disease: The Cruel Mutation  | <http://blogs.plos.org/dnascience/2013/05/30/juvenile-huntingtons-disease-the-cruel-mutation/> | rare diseases, mode of inheritance | 4 |
| A Little Girl, Giant Axons | <http://blogs.plos.org/dnascience/2013/05/16/a-little-girl-with-giant-axons-a-deranged-cytoskeleton-and-gene-therapy/> | cytoskeleton rare diseases | 2, 4, 20 |
| Celebrating Gleevec – And Basic Research  | <http://blogs.plos.org/dnascience/2013/05/09/celebrating-gleevec-and-basic-research/> | cancer | 18 |
| DNA Day and World Malaria Day: The Sickle Cell/Malaria Link Revisited | <http://blogs.plos.org/dnascience/2013/04/25/dna-day-and-world-malaria-day-the-sickle-cellmalaria-link-revisited/> | balanced polymorph-ism | 15 |
| DNA Day and 20 Years of Writing a Human Genetics Textbook  | <http://blogs.plos.org/dnascience/2013/04/18/dna-day-and-20-years-of-writing-a-human-genetics-textbook/> | DNA | 9 |
| A GPS View of the Human Genome  | <http://blogs.plos.org/dnascience/2013/04/11/a-gps-view-of-the-human-genome/> | gene expression | 11 |
| Genetic Modifiers: Healthy Mutants Fuel Drug Discovery | <http://blogs.plos.org/dnascience/2013/04/04/genetic-modifiers-healthy-mutants-fuel-drug-discovery/> | mutation | 12 |
| Second Gene Causes Retinoblastoma  | <http://blogs.plos.org/dnascience/2013/03/21/second-gene-causes-retinoblastoma/> | genetic heterogen-eity, cancer | 5, 18 |
| Do Cats with HIV Foretell HIV’s Future?  | <http://blogs.plos.org/dnascience/2013/03/14/do-cats-with-fiv-foretell-hivs-future/> | immunogenetics | 17 |
| Personalized Medicine: Read the Chart!  | <http://blogs.plos.org/dnascience/2013/03/07/personalized-medicine-read-the-chart/> | genetic testing, genomes | 19, 22 |
| Rare Disease Day: What 5 Kids With Low Vision CAN Do  | <http://blogs.plos.org/dnascience/2013/02/28/rare-disease-day-what-5-kids-with-low-vision-can-do/> | rare diseases | 4, 19, 20 |
| A Fruit Fly Love Story: The Making of a Mutant | <http://blogs.plos.org/dnascience/2013/02/14/a-fruit-fly-love-story-the-making-of-a-mutant/> | mutations | 12 |
| Genetic Testing: Carrier Confusion and Generation Reversal | <http://blogs.plos.org/dnascience/2013/02/07/genetic-testing-carrier-confusion-and-generation-reversal/> | genetic testing | 20 |
| Another Bump in the Road to Gene Therapy?  | <http://blogs.plos.org/dnascience/2013/01/31/another-bump-in-the-road-to-gene-therapy/> | gene therapy | 20 |
| My Cat Has AIDS  | <http://blogs.plos.org/dnascience/2013/01/24/my-cat-has-aids/> | immunogenetics | 17 |
| Retinal Stem Cells and Eye of Newt  | <http://blogs.plos.org/dnascience/2013/01/17/retinal-stem-cells-and-eye-of-newt-3/> | stem cells | 2 |
| The Crud: Viral or Bacterial?  | <http://blogs.plos.org/dnascience/2013/01/10/the-crud-viral-or-bacterial/> | immunogenetics | 17 |
| Comparing Adam Lanza’s DNA to Forensic DNA Databases  | <http://blogs.plos.org/dnascience/2013/01/03/comparing-adam-lanzas-dna-to-forensic-dna-databases-a-modest-proposal/> | DNA profiling | 14 |
| The Curious Genetics of Werewolves  | <http://blogs.plos.org/dnascience/2012/12/27/the-curious-genetics-of-werewolves/> | rare diseases | 4 |
| Gene Therapy for Canavan Disease: Max’s Story | <http://blogs.plos.org/dnascience/2012/12/19/gene-therapy-for-canavan-disease-maxs-story/> | rare diseases | 4 |
| When An Arm Is Really A Leg  | <http://blogs.plos.org/dnascience/2012/12/13/when-an-arm-is-really-a-leg/> | homeotic mutations, rare diseases | 3,4 |
| Cialis Comes Full Circle: Help for Muscular Dystrophy  | <http://blogs.plos.org/dnascience/2012/11/28/cialis-comes-full-circle-help-for-muscular-dystrophy/> | treating disease | 19 |
| Mice with Human Liverlets Test New Drugs  | <http://blogs.plos.org/dnascience/2012/11/15/mice-with-human-liverlets-test-new-drugs/> | development | 3 |
| Direct-to-Consumer Genetic Testing: A New View  | <http://blogs.plos.org/dnascience/2012/11/08/direct-to-consumer-genetic-testing-a-new-view/> | genetic testing | 20 |
| Why I Don’t Want to Know My Genome Sequence  | <http://blogs.plos.org/dnascience/2012/11/01/why-i-dont-want-to-know-my-genome-sequence/> | genomes | 22 |
| Male DNA in Female Brains Revisited  | <http://blogs.plos.org/dnascience/2012/10/25/male-dna-in-female-brains-revisited/> | sex | 6 |
| Prenatal Genetic Testing: When Is It ‘Toxic Knowledge’?  | <http://blogs.plos.org/dnascience/2012/10/18/prenatal-genetic-testing-when-is-it-toxic-knowledge/> | developmentgenetic testing | 3, 20 |
| From Rapid-Aging to Common Heart Disease  | <http://blogs.plos.org/dnascience/2012/10/11/from-rapid-aging-to-common-heart-disease/> | rare diseases | 4 |
| Progress for Progeria | <http://blogs.plos.org/dnascience/2012/10/04/progress-for-progeria/> | rare diseases | 4 |
| [Human Embryonic Stem Cells Finally Reach Clinical Trials: Maurie’s Story](http://blogs.plos.org/dnascience/2012/09/27/human-embryonic-stem-cells-finally-reach-clinical-trials-mauries-story/)  | <http://blogs.plos.org/dnascience/2012/09/27/human-embryonic-stem-cells-finally-reach-clinical-trials-mauries-story/> | stem cells | 2 |

**\*“Human Genetics: Concepts and Applications” by Ricki Lewis, editions 10 and 11**