Bibliography

**Cancer Biology Kit - D - Intro to Cancer**

**Brokaw, Ann, Rocky River High School, Rocky River, OH; Laura Bonetta, PhD; and Eriko**

**Clements, PhD, HHMI.** Activity 1: Classifying Cancer Genes: Educator Materials. In 2013 Holiday Lectures on Science: Medicine in the Genomic Era. Edited by Laura Bonetta, PhD, Robin Heyden, and Susan Dodge; copyedited by Barbara Resch and Linda Felaco; reviewed by Nancy Staub, PhD, and David McDonald, PhD. Chevy Chase, MD: HHMI BioInteractive, August 2014. Revised May 2016. <https://www.biointeractive.org/classroom-resources/classifying-cancer-genes-and-examining-patient-data>.

Activity 1: Classifying Cancer Genes: Student Handout. In 2013 Holiday Lectures on Science:

Medicine in the Genomic Era. Chevy Chase, MD: HHMI BioInteractive, August 2014. Revised May 2016. <https://www.biointeractive.org/classroom-resources/classifying-cancer-genes-and-examining-patient-data>.

Dittmer, Travis, PhD. Activity 1: Cancer Patient Cards. Included in HHMI BioInteractive’s

Cancer Discovery Activities.

**Brokaw, Ann, Rocky River High School, Rocky River, OH; Laura Bonetta, PhD; and Eriko**

**Clements, PhD, HHMI.** Activity 2: Examining Cancer Patient Data: Educator Materials. In 2013 Holiday Lectures on Science: Medicine in the Genomic Era. Edited by Laura Bonetta, PhD, Robin Heyden, and Susan Dodge; copyedited by Barbara Resch and Linda Felaco; reviewed by Nancy Staub, PhD, and David McDonald, PhD. Chevy Chase, MD: HHMI BioInteractive, August 2014. Revised May 2016. <https://www.biointeractive.org/classroom-resources/classifying-cancer-genes-and-examining-patient-data>.

Activity 2: Examining Cancer Patient Data: Student Document. In 2013 Holiday Lectures on

Science: Medicine in the Genomic Era. Chevy Chase, MD: HHMI BioInteractive, August 2014. Revised May 2016. <https://www.biointeractive.org/classroom-resources/classifying-cancer-genes-and-examining-patient-data>.

Dittmer, Travis, PhD. Activity 2: Cancer Patient Cards. Developed by Travis Dittmer, PhD.

Included in HHMI BioInteractives Cancer Discovery Activities.

**Brokaw, Ann, Rocky River High School, Rocky River, OH; Laura Bonetta, PhD; and Eriko**

**Clements, PhD, HHMI.** Overview of Cancer Discovery Activities. Edited by Laura Bonetta, PhD, Robin Heyden, and Susan Dodge; copyedited by Barbara Resch and Linda Felaco; reviewed by Nancy Staub, PhD, and David McDonald, PhD. Chevy Chase, MD: HHMI BioInteractive, August 2014. Revised May 2016. <https://www.biointeractive.org/classroom-resources/classifying-cancer-genes-and-examining-patient-data>.

Broo, Jennifer, and Jessica Mahoney. “Keeping It All in Check: The Life of a Cell in the Cell

Cycle.” In *The War of the 21st Century: The Cell Cycle, Cancer and Clinical Trials*, 53–63. Gainesville, FL: University of Florida Center for Precollegiate Education and Training, 2012. [https://www.cpet.ufl.edu/media/cpetufledu/pdfs/curriculum/cpet-curriculum/the-war-of-the-21st-century/CancerCurriculum\_Final.pdf](https://www.cpet.ufl.edu/media/cpetufledu/pdfs/curriculum/cpet-curriculum/the-war-of-the-21st-century/CancerCurriculum_Final.pdf?utm_source=chatgpt.com)

**Cancer Biology Kit - F - PCR and Gel Electrophoresis - HER2**

3D Molecular Designs. PCR Activity Guide: Part 1. Exploring Polymerase Chain Reaction

(PCR) Step-by-Step Instructions. Milwaukee, WI: 3D Molecular Designs, 2020. <https://learn.3dmoleculardesigns.com/hubfs/Classroom%20Resources%20Files/Biotechnology%20Kit%20Classroom%20Resources/Polymerase%20Chain%20Reaction%20Part%201%20Exploring%20PCR%20Activity%20Guide.pdf?hsLang=en>.

3D Molecular Designs. Exploring PCR: Extension: What Comes After PCR? Milwaukee, WI:

3D Molecular Designs, 2020. Supplemental activity, not available online.

3D Molecular Designs. PCR Activity Guide. Milwaukee, WI: 3D Molecular Designs, 2020.

<https://learn.3dmoleculardesigns.com/hubfs/Classroom%20Resources%20Files/Biotechnology%20Kit%20Classroom%20Resources/Polymerase%20Chain%20Reaction%20Teacher%20Guide.pdf?hsLang=en>.

Cancer Biology Kit - H - Bioinformatics - BRCA1

Chowning, J., D. Kovarik, J. Griswold, S. Porter, J. Spitze, C. Farris, and K. Petersen. Using

Bioinformatics: Genetic Testing. figshare, 2012. <http://dx.doi.org/10.6084/m9.figshare.936566>.

“Lesson 3: A Case Study: A BRCA Genetic Testing Dilemma.”

“Lesson 4: Understand Genetic Tests to Detect BRCA1 Mutations.”

“Lesson 4 Handout.”

“Appendix.”