

Agouti Mouse Model To Study Early Nutritional Effects on Epigenetic Gene Regulation

References

1. Title
 - a. <https://www.thetech.org/media/3phgzl0q/agouti-mice.jpg?rxy=0.431513876396986,0.6604403703533097&width=900&height=900&rnd=133291337643870000>
 - b.
2. YouTube Video
 - a. Low Dose Rad 2018. (2019, November 14). The Agouti Mouse Study 1080 [Video]. YouTube. <https://www.youtube.com/watch?v=VM37fh5ykbq>
 - b. https://www.niehs.nih.gov/sites/default/files/health/assets/images/epigenetics_mice.jpg
 - c.
3. What is Epigenetics
 - a. Weinhold, B. (2006). Epigenetics: the science of change.
 - i. <https://ehp.niehs.nih.gov/doi/full/10.1289/ehp.114-a160>
 - ii. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1392256/>
 - b. https://media.springernature.com/full/springer-static/image/art%3A10.1038%2F541440-019-0248-0/MediaObjects/41440_2019_248_Fig1_HTML.png
 - c. <https://www.whatisepigenetics.com/wp-content/uploads/2013/07/dna-chromatin-histone.jpg>
 - d.
4. Second World War
 - a. Low Dose Rad 2018. (2019, November 14). The Agouti Mouse Study 1080 [Video]. YouTube. <https://www.youtube.com/watch?v=VM37fh5ykbq>
 - b. Waterland, R. A., & Jirtle, R. L. (2003). Transposable elements: targets for early nutritional effects on epigenetic gene regulation. Molecular and cellular biology.
 - c. <https://www.tandfonline.com/doi/abs/10.1128/mcb.23.15.5293-5300.2003>
 - d. https://en.wikipedia.org/wiki/Dutch_famine_of_1944%E2%80%931945
 - i. https://commons.wikimedia.org/wiki/File:Twee_deelnemers_aan_de_hongerwinter.jpg
 - e. https://m.media-amazon.com/images/I/51O3dltVwjL.AC_UF1000,1000_QL80.jpg
 - f.
5. Fetal Susceptibility
 - a. Low Dose Rad 2018. (2019, November 14). The Agouti Mouse Study 1080 [Video]. YouTube. <https://www.youtube.com/watch?v=VM37fh5ykbq>
 - b. https://pub.mdpi-res.com/genes/genes-13-00031/article_deploy/html/images/genes-13-00031-g001.png?1640254056
 - c.
6. Agouti Mice

- a. Low Dose Rad 2018. (2019, November 14). The Agouti Mouse Study 1080 [Video]. YouTube. <https://www.youtube.com/watch?v=VM37fh5ykbq>
 - b. https://sites.duke.edu/ciphers/files/2019/04/Agouti_Mice-768x602.jpg
 - c. <https://medportal.ru/pictures/news/bd6e0338-9048-4962-84f0-0e948606b1ff/medum.jpg>
 - d. <https://sciencenotes.org/wp-content/uploads/2021/11/Genotype-vs-Phenotype.png>
 - e.
7. Kitchen Analogy
 - a. [https://www.foodandwine.com/thmb/4voapu2oBuhv_EQIDN7L-w9WcdU=/1500x0/filters:no_upscale\(\):max_bytes\(150000\):strip_icc\(\)/who-really-writes-chefs-recipes-1-FT-BLOG0720-f9a9155c143f44829996e0464f591834.jpg](https://www.foodandwine.com/thmb/4voapu2oBuhv_EQIDN7L-w9WcdU=/1500x0/filters:no_upscale():max_bytes(150000):strip_icc()/who-really-writes-chefs-recipes-1-FT-BLOG0720-f9a9155c143f44829996e0464f591834.jpg)
 - b. https://m.media-amazon.com/images/I/71M4GvTJg3L._AC_UF894,1000_QL80_.jpg
 - c. https://hips.hearstapps.com/hmg-prod/images/fluffy-pancakes-1675719604-657229c830876.jpg?crop=0.668xw:1.00xh;0.274xw,0&resize=980:*
 - d. [https://www.eatingwell.com/thmb/Gfxn7i39uCBfWwRL4OSIVTERzWM=/1500x0/filters:no_upscale\(\):max_bytes\(150000\):strip_icc\(\)/5488100-ea9d7533df104140a4279fc9d1185bd9.jpg](https://www.eatingwell.com/thmb/Gfxn7i39uCBfWwRL4OSIVTERzWM=/1500x0/filters:no_upscale():max_bytes(150000):strip_icc()/5488100-ea9d7533df104140a4279fc9d1185bd9.jpg)
 - e.
8. Gene Regulation
 - a. Low Dose Rad 2018. (2019, November 14). The Agouti Mouse Study 1080 [Video]. YouTube. <https://www.youtube.com/watch?v=VM37fh5ykbq>
 - b. https://www.mdpi.com/biomedicines/biomedicines-11-01987/article_deploy/html/images/biomedicines-11-01987-g001.png
 - c.
9. Nature vs Nurture
 - a. Low Dose Rad 2018. (2019, November 14). The Agouti Mouse Study 1080 [Video]. YouTube. <https://www.youtube.com/watch?v=VM37fh5ykbq>
 - b. <https://lh4.googleusercontent.com/proxy/YvsyVovzt1xhz83hclch0RB2xcFEhanQ9GjR4x7stDXNbDCjaq0e7Vu8OKxs8qZFteuZ89OIfy5anvvUsnz1YCYZYF34r3VKNxghKjohdH5xn3iEqfwrobVOh43iy9ApjM01q2dPcDlClqTVt0yxhoeiSSupLkiDUJ0AF3jdiVKXbE6u9Q>
 - c. https://assets-global.website-files.com/65cb049c76339161bf245d08/65cb049c76339161bf246669_Embryo%20-%20Fertilization%20to%20Day%205%20Blastocyst.jpeg
 - d.
10. Agouti Gene
 - a. Low Dose Rad 2018. (2019, November 14). The Agouti Mouse Study 1080 [Video]. YouTube. <https://www.youtube.com/watch?v=VM37fh5ykbq>
 - b. https://www.ncbi.nlm.nih.gov/books/NBK585707/bin/463963_1_En_9_Fig7_HTML.jpg

- c. https://www.bartleby.com/v2/_next/image?url=https%3A%2F%2Fcontent.bartleby.com%2Fqna-images%2Fquestion%2F76ece815-c420-4bcc-9678-097519ec9ca8%2Fa7e92019-ed46-43e4-b9be-3fc779cd18b2%2F4mldkm.png&w=3840&q=75
 - d.
11. Tan/Yellow Mice
 - a. Low Dose Rad 2018. (2019, November 14). The Agouti Mouse Study 1080 [Video]. YouTube. <https://www.youtube.com/watch?v=VM37fh5ykbg>
 - b. <https://www.hudsonalpha.org/wp-content/uploads/2014/04/epigenetics.pdf>
 - c.
12. Can the Phenotyp be changed
 - a. Low Dose Rad 2018. (2019, November 14). The Agouti Mouse Study 1080 [Video]. YouTube. <https://www.youtube.com/watch?v=VM37fh5ykbg>
 - b. https://media.springernature.com/full/springer-static/image/art%3A10.1038%2F1014/MediaObjects/41684_2016_Article_BFlaban1014_Fig1_HTML.jpg
 - c.
13. Impact of Mother Diet
 - a. Low Dose Rad 2018. (2019, November 14). The Agouti Mouse Study 1080 [Video]. YouTube. <https://www.youtube.com/watch?v=VM37fh5ykbg>
 - b. https://media.springernature.com/lw685/springer-static/image/chp%3A10.1007%2F978-1-0716-1818-9_12/MediaObjects/476097_1_En_12_Fig7_HTML.png
 - c.
14. Epigenetics
 - a. Low Dose Rad 2018. (2019, November 14). The Agouti Mouse Study 1080 [Video]. YouTube. <https://www.youtube.com/watch?v=VM37fh5ykbg>
 - b. https://www.frontiersin.org/files/Articles/1287255/fendo-15-1287255-HTML/image_m/fendo-15-1287255-g001.jpg
 - c.
15. Research Results Impacts
 - a. Low Dose Rad 2018. (2019, November 14). The Agouti Mouse Study 1080 [Video]. YouTube. <https://www.youtube.com/watch?v=VM37fh5ykbg>
 - b. https://www.frontiersin.org/files/Articles/105911/fcell-02-00049-HTML/image_m/fcell-02-00049-g001.jpg
 - c.
16. .
 - a. Low Dose Rad 2018. (2019, November 14). The Agouti Mouse Study 1080 [Video]. YouTube. <https://www.youtube.com/watch?v=VM37fh5ykbg>
 - b. <https://www.harvardmagazine.com/2017/04/is-epigenetics-inherited>
 - c. <https://www.researchgate.net/publication/319354177/figure/fig1/AS:962676851212303@1606531455946/Interaction-between-genes-environment-and-epigenetics-in-disease-The-genome-can-give.gif>
 - d. <https://psychology.asu.edu/sites/default/files/2021-08/Screen%20Shot%202021-08-16%20at%201.15.04%20PM.png>
 - e.

17. Counter Point

- a. Low Dose Rad 2018. (2019, November 14). The Agouti Mouse Study 1080 [Video]. YouTube. <https://www.youtube.com/watch?v=VM37fh5ykbq>
- b. <https://www.harvardmagazine.com/2017/04/is-epigenetics-inherited>
- c.