

Worldview U – Science & Faith
Background Material

The slides from the presentation are not available for release by the author. Instead, Dr. Dalton has provided the following background material that was used in the preparation of the presentation. For those who hate to read, there are audio and video links listed near the top of this message (so that you don't have to read down too far).

For those who like to read, there are a series of links (see very end of this message) which mostly lead to relevant Wikipedia articles about the subjects that were discussed. From these basic Wikipedia articles, it is possible to link to even deeper discussions of each individual point.

At the very end of this message are some links pertaining to the "old vs. young" debate that go beyond the material that was presented during the seminar.

Enjoy!

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VIDEO LINKS
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The following video links illustrate the complexity of what goes on within living cells and within your now favorite enzyme (Carbamoyl Phosphate Synthetase). These four links are just the tip of the iceberg. A few minutes surfing on YouTube will reveal hundreds more such videos illustrating the amazing complexity of the living cell.

DNA information being transcribed to messenger RNA (a process that occurs in the nucleus of a cell):

<http://www.youtube.com/watch?v=SMtWvDbfHLo>

A protein molecule being formed by a ribosome according to the instructions encoded on a messenger RNA molecule:

http://www.youtube.com/watch?v=Tfyf_rPWUdY

Ammonia travelling through the first half of the tunnel in the Carbamoyl Phosphate Synthetase enzyme

http://pubs.acs.org/doi/suppl/10.1021/ja902557r/suppl_file/ja902557r_si_001.mpg

Carbamate travelling through second half of the tunnel in the Carbamoyl Phosphate Synthetase enzyme

http://pubs.acs.org/doi/suppl/10.1021/ja910441v/suppl_file/ja910441v_si_001.mpg

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READING LINKS
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The sad affair of Galileo:

http://en.wikipedia.org/wiki/Galileo_affair

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Rules of the Game of Science:

http://en.wikipedia.org/wiki/Scientific_method

http://en.wikipedia.org/wiki/God_of_the_gaps

<http://en.wikipedia.org/wiki/Falsifiability>

The three primary kinds of monotheistic scientists:

http://en.wikipedia.org/wiki/Young_Earth_creationism

http://en.wikipedia.org/wiki/Old_Earth_creationism

http://en.wikipedia.org/wiki/Theistic_evolution

Articles about philosophical naturalism:

http://en.wikipedia.org/wiki/Naturalism_%28philosophy%29

Many of the known metabolic pathways are shown on the chart at the following link:

http://www.uz.zgora.pl/~jleluk/animacje/show_thumbnails.pl.htm

If you want to learn more about the urea cycle which occurs in your liver, each of the following links discusses this topic in increasingly more difficult terms:

http://en.wikipedia.org/wiki/Urea_cycle

<http://www.biocarta.com/pathfiles/ureacyyclePathway.asp>

http://en.wikipedia.org/wiki/Carbamoyl_phosphate_synthetase_I

<http://www.jbc.org/content/277/42/39722.full.pdf>

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OLD versus YOUNG
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For those who are particularly interested in the intramural monotheistic young earth vs. old earth debate, there was a fair and honest debate about this topic last year in England (complete with questions and answers afterwards). The link to this debate is found below:

<http://tinyurl.com/intramural-debate>

Information about Dr. Russell Humphreys (who sadly went to Duke University instead of UNC) and the young earth perspective can be found at the following links:

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http://en.wikipedia.org/wiki/Russell_Humphreys

<http://tinyurl.com/c3gnyo>

http://rationalwiki.org/wiki/White_hole_cosmology

It should be noted that about ten years ago, Dr. Hugh Ross (an old earth creationist) and Dr. Russell Humphreys exchanged a somewhat strained series of messages with each other as documented at this link:

<http://tinyurl.com/ross-humphreys-exchange>