Syllabus

2021 CSC Seminar on Intelligent Design in the Natural Sciences

|Overview|

Thank you for joining us for the Seminar on Intelligent Design in the Natural Sciences! The purpose of the seminar is to prepare you to make research contributions advancing the growing science of intelligent design (ID). The seminar will explore cutting-edge ID work in fields such as physics, cosmology, chemistry, molecular biology, biochemistry, developmental biology, paleontology, computational biology, mathematics, and the history and philosophy of science. The seminar will include presentations on the application of intelligent design to lab research as well as frank treatment of the academic realities that ID researchers confront in graduate school and beyond. Although the primary focus of the seminar is science, there also will be discussion of the worldview implications of the debate over intelligent design.

You will benefit from instruction and interaction with prominent ID researchers and scholars. This seminar runs concurrently with the C.S. Lewis Fellows Program, also offered by Discovery Institute. Both seminars will share many readings, lectures, and discussions. Each seminar will also have its own specific readings, lectures, and discussions.

|Instructions|

Much of this seminar is self-paced and will be delivered through the DiscoveryU online course platform. Self-paced instruction in the course player will be supplemented by Discussion Board discussions and live Zoom discussions.

Starting **June 14**, you can work through each module's readings, videos, and lectures, and participate in the available Discussion Boards. Then on **June 25-26, July 2-3,** and **July 9-10,** you will participate in live discussions with faculty and other students from 10:00 am-4:00 pm CDT (UTC-5) via Zoom. Finally, from **July 15-17**, U.S. participants able to travel will participate in an in-person "capstone weekend" in Dallas, TX (all other participants will participate in the "capstone weekend" online on July 16-17).

For each module, please work through all of the readings, videos, Discussion Board discussions, and lectures *in the order they are presented in the course player*. Please

take good notes as you go through the modules, so you will be prepared for the live Zoom discussions.

|General Discussion Board|

A few readings, videos, and lectures have specific Discussion Boards set up to discuss issues raised in those items. But there is *also* a General Discussion Board where you can discuss all other topics related to the Seminar. The General Discussion Board can be accessed on the DiscoveryU course platform at the top of the course player. Note that if you want to start a new discussion topic, create a new post rather than simply replying to someone else's post in an existing thread. You are encouraged to start participating in the General Discussion Board as soon as you begin to go through the course player.

|Small Group Meetings|

In addition to the scheduled Zoom discussions for the entire seminar class, participants can sign-up for small group Zoom meetings with selected faculty. These small group meetings will allow you to interact on a more personal basis with the faculty and 5-7 other seminar attendees. Information on how to sign-up for the meetings will be provided after June 14.

|Live Zoom Discussions|

Most of the live Zoom sessions are not lectures; they are discussions. Depending on the session, faculty may make brief framing comments or raise specific questions for discussion. Otherwise, these discussions will depend on your active participation by asking questions YOU want addressed. So please prepare for the live sessions by making sure you have your questions ready. Below are the links to use for the live Zoom sessions. You can access these links directly from within the course player if you wish.

Joint Zoom Sessions

- Zoom link: **discovery.org/cscss21**

Natural Sciences Seminar-only Zoom Sessions

- Zoom link: **discovery.org/natsci21**

CS Lewis Fellows Program-only Zoom Sessions

- Zoom link: **discovery.org/cslewis21**

|Announcements and Questions|

Course announcements and updates will be published in the **"Announcements"** Discussion Board at the top of the course player. Do you have questions about these instructions or the seminar? Contact Daniel Reeves, dreeves@discovery.org or 218-721-2052.

|Abbreviation Key for Course Schedule|

- **JM —** indicates joint modules for participants in both the Natural Sciences Seminar and the C.S. Lewis Fellows Program.
- **NS** — indicates modules for participants in the Natural Sciences Seminar only (in the course platform at DiscoveryU, you will find these modules listed in a section *after* the joint modules and labeled with "Natural Sciences Module" in the title).
- ***** — indicates readings provided separately in Kindle or EPUB format, rather than through the DiscoveryU course platform.
- **V** — indicates content provided as a video.
- **A** — indicates convent provided as an audio file.
- **DB** — indicates readings or videos which have a specific Discussion Board associated with them that you are asked to participate in.
- **Z** — indicates live sessions that take place at the specific date and time listed via the Zoom platform.

|Natural Sciences Seminar Schedule|

Unless otherwise noted, readings, videos, and lectures are all accessed through the DiscoveryU course platform. Readings and videos marked "Optional" are not required, but may be beneficial for further study and reflection if you have time.

WEEK 1 | JUNE 21-26

GENERAL DISCUSSION BOARD

- This Discussion Board is where you can engage in course discussions with participants.

UNIT 1: INTRODUCTION

- Overview of Unit
- **Welcome from Program Directors** (John West, Casey Luskin) (JM) (V)
- **Course Syllabi**
- **History of Discovery Institute/State of the Debate (JM)**
    - Optional: "A Brief History of Discovery Institute"
    - **Lecture: "History of Discovery Institute/State of the Debate"** (John West) (V)

UNIT 2 | BACKGROUND AND CONTEXT

- Overview of Unit
- **Teleological vs. Materialist View of Man and Nature (JM)**
    - John West, *Darwin Day in America*,* Chapter 1
    - Rodney Stark, *For the Glory of God*,* Chapter 2
    - Plato, "Philebus" (DB)
    - Cicero, "On the Nature of the Gods" (DB)
    - "Darwin's Heretic" (V)
    - "New Thoughts on Evolution" (Interview with AR Wallace)
    - "C.S. Lewis and Intelligent Design" (V)
    - Optional: *The Magician's Twin*; John West, "The Dissent of Man"
    - Optional: "Are Christianity and Science at War?" pt. 1-2 (Michael Keas) (V)
    - **Lecture: "Teleological v. Materialist View of Man and Nature"** (John West) (V)
- **Introduction to Intelligent Design (JM)**
    - "Metamorphosis" (V)
    - "Information Enigma" (V)
    - Philip Kitcher, *Living with Darwin,** Chapters 1, 3, and 4
    - Stephen Meyer, "A Scientific History—and Philosophical Defense—of Intelligent Design"
    - Discussion Board on Kitcher and Meyer (DB)
    - Optional: Jonathan Wells, *The Politically Incorrect Guide to Darwinism and Intelligent Design,** Chapters 1-11
    - **Lecture: "Introduction to Intelligent Design and Methods of Design Detection"** (Casey Luskin) (V)

UNIT 3 | DESIGN IN THE ORIGIN AND OPERATION OF THE UNIVERSE

- Overview of Unit
- **The Big Bang and the Kalam Argument (JM)**
    - Optional: William Lane Craig, "Naturalism and the Origin of the Universe," *The Nature of Nature**
    - **Lecture: "The Big Bang and the Kalam Argument"** (Jay Richards and Guillermo Gonzalez) (V)
- **Fortunate Universe—Cosmological Fine-Tuning (JM)**
    - Jay Richards, "List of Fine-Tuning Parameters"
    - Luke Barnes, "The Fine-Tuning of Nature's Laws"
    - "Cosmological Origins and Fine-Tuning," *The Nature of Nature**
    - Robin Collins, "Modern Cosmology and Anthropic Fine-Tuning: Three Approaches"
    - Optional: Geraint Lewis and Luke Barnes, *A Fortunate Universe**
    - **Lecture: "Fortunate Universe"** (Luke Barnes) (V)
- **Privileged Species and Planet (JM)**
    - "Privileged Species" (V)
    - Michael Denton, "The Place of Life and Man in Nature"
    - Optional: Michael Denton, "The Fitness of Nature for Mankind" (V)
    - Optional: Richards and Gonzalez, *The Privileged Planet**
    - **Lecture: "The Privileged Planet"** (Jay Richards) (V)

LIVE ZOOM SESSIONS | FRIDAY, JUNE 25

- Live Q and A about "History of Discovery Institute/State of the Debate" (John West, Casey Luskin), 10:00-11:00 am CDT
    - *Break, 11:00-11:30 am CDT*
- Introduction to Natural Sciences Seminar (Casey Luskin), 11:30 am-1:00 pm CDT
    - *Break, 1:00-1:30 pm CDT*
- Live Q and A about "Teleological v. Materialist View of Man and Nature" (John West, Michael Keas), 1:30-2:30 pm CDT
    - *Break, 2:30-3:00 pm CDT*
- Live Q and A about "Introduction to Intelligent Design and Methods of Design Detection" (Casey Luskin). 3:00-4:00 pm CDT

LIVE ZOOM SESSIONS | SATURDAY, JUNE 26

- Live Q and A about "The Big Bang and the Kalam Argument" (Jay Richards, Guillermo Gonzalez), 10:00-11:00 am CDT
    - *Break, 11:00-11:30 am CDT*
- Live Q and A about "Fortunate Universe" (Luke Barnes), 11:30 am-12:30 pm CDT
    - *Break, 12:30-1:00 pm CDT*
- Live lecture and discussion, "A New Cosmological Argument" (Stephen Meyer), 1:00-2:00 pm CDT
    - *Break, 2:00-2:30 pm CDT*
- Live Q and A about "Privileged Species and Privileged Planet" (Jay Richards, Guillermo Gonzalez, and Michael Denton), 2:30-4:00 pm CDT

WEEK 2 | JUNE 28-JULY 3

UNIT 4: DESIGN IN THE ORIGIN OF LIFE

- Overview of Unit
- **Evidence of Intelligent Design in the Origin of Life (JM)**
  - James Tour, "We're Still Clueless about the Origin of Life," *The Mystery of Life's Origin*
  - Brian Miller, "Thermodynamic Challenges to the Origin of Life," *The Mystery of Life's Origin*
  - Stephen Meyer, "Evidence of Intelligent Design in the Origin of Life," *The Mystery of Life's Origin*
  - Optional: Stephen Meyer, *Signature in the Cell**
  - **Lecture: "The Mystery of the Origin of Life"** (James Tour) (V)
  - **Lecture: "Signature in the Cell"** (Stephen Meyer) (V)
  - **Lecture: "Thermodynamics, the Origin of Life, and Intelligent Design"** (Brian Miller) (V)
  - Optional: "James Tour and Brian Miller: Thermodynamics and the Origin of Life" (V)

UNIT 5: DESIGN IN THE DEVELOPMENT AND OPERATION OF LIFE

- Overview of Unit
- **Darwin's Doubt—The Explosive Origin of Animal Life and the Case for ID (JM)**
  - **Lecture "The Cambrian Explosion"** (Stephen Meyer) (V)
  - **Lecture: "The Mystery of the Missing Fossils—Burgess Shale"** (Stephen Meyer) (V)
  - **Lecture: "The Mystery of the Missing Fossils—Chenjiang Fauna"** (Stephen Meyer) (V)
  - **Lecture: "What Does It Take to Build an Animal?"** (Stephen Meyer) (V)
  - **Lecture: "Combinatorial Searches, pt. 1"** (Stephen Meyer) (V)
  - **Lecture: "Combinatorial Searches, pt. 2"** (Stephen Meyer) (V)
  - **Lecture: "Developmental Mutations/Gene Regulatory Networks"** (Stephen Meyer) (V)
  - **Lecture: "Information beyond DNA"** (Stephen Meyer) (V)
  - **Lecture: "The Positive Case for Intelligent Design, pt. 1"** (Stephen Meyer) (V)
  - **Lecture: "The Positive Case for Intelligent Design, pt. 2"** (Stephen Meyer) (V)
  - **Lecture: "The Positive Case for Intelligent Design, pt. 3"** (Stephen Meyer) (V)
  - Optional: Stephen Meyer, *Darwin's Doubt**
  - Optional: "Responding to Critics—Charles Marshall" (Stephen Meyer) (V)
  - Optional: "Responding to Critics—Dennis Venema and Deborah Haarsma" (Stephen Meyer) (V)
  - Optional: "Responding to Critics—Lawrence Krauss and Richard Dawkins" (Stephen Meyer) (V)
- **More Fossil Discontinuities in the History of Life (JM)**
  - **Lecture: "Fossil Discontinuities in the History of Life"** (Günter Bechly) (V)
- **Irreducible Complexity and Co-Option (JM)**
  - **Lecture: "Basic Biochemistry, pt. 1"** (Michael Behe) (V)
  - **Lecture: "Basic Biochemistry, pt. 2"** (Michael Behe) (V)
  - **Lecture: "Irreducible Complexity, pt. 1"** (Michael Behe) (V)
  - **Lecture: "Irreducible Complexity, pt. 1"** (Michael Behe) (V)
  - **Lecture: "Attempts to Explain the Flagellum"** (Michael Behe) (V)

- **Lecture: "Attempts to Explain Blood Clotting"** (Michael Behe) (V)
- "Type III Secretory System" (Stephen Meyer) (V)
- Optional: Michael Behe, *Darwin's Black Box**

- **Population Genetics—The Edge of Evolution and Darwin Devolves (JM)**
  - Michael Behe, "The Limits of Non-Intelligent Explanations in Molecular Biology," *The Nature of Nature**
  - **Lecture: "Probing the Limits of Darwinian Evolution, pt. 1"** (Michael Behe) (V)
  - **Lecture: "Probing the Limits of Darwinian Evolution, pt. 2"** (Michael Behe) (V)
  - **Lecture: "Probing the Limits of Darwinian Evolution, pt. 3"** (Michael Behe) (V)
  - **Lecture: "Probing the Limits of Darwinian Evolution, pt. 4"** (Michael Behe) (V)
  - **Lecture: "Self-Limiting Evolution, pt. 1"** (Michael Behe) (V)
  - **Lecture: "Self-Limiting Evolution, pt. 2"** (Michael Behe) (V)
  - **Lecture: "Self-Limiting Evolution, pt. 3"** (Michael Behe) (V)
  - **Lecture: "Self-Limiting Evolution, pt. 4"** (Michael Behe) (V)
  - **Lecture: "Self-Limiting Evolution, pt. 5"** (Michael Behe) (V)
  - **Lecture: "Self-Limiting Evolution, pt. 6"** (Michael Behe) (V)
  - Optional: Michael Behe, *Darwin Devolves,* especially Chapter 6*
  - Optional: "Revolutionary" (Behe) (V)
- **Waiting Times and Other Obstacles to Evolution (JM)**
  - Marcos Eberlin, *Foresight,* Chapters 1-2
  - Douglas Axe, "Case Against a Darwinian Origin of Protein Folds"
  - Ann Gauger, et al., "Reductive Evolution Can Prevent Populations from Taking Simple Adaptive Paths to High Fitness"
  - Ann Gauger/Douglas Axe, "The Evolutionary Accessibility of New Enzyme Functions"
  - Optional: Jonathan Wells, *Zombie Science*
  - **Lecture: "The Waiting Times Problem"** (Günter Bechly) (V)
  - **Lecture: "Obstacles to Evolution"** (Ann Gauger) (V)
- **Why Only Design Explains the Origin of Animal Body Plans (JM)**
  - Eugene Koonin, "The Biological Big Bang model for the major transitions in evolution"
  - **Lecture: "The Origin of Animal Body Plans as a Case Study in Design Inference"** (Paul Nelson) (V)
- **A Design-Based Model to Explain the Pattern of Nature (JM)**
  - Winston Ewert, "The Dependency Graph of Life"
  - **Lecture: "A Design-Based Model to Explain the Pattern of Nature"** (Winston Ewert) (V)
- **The Myth of Junk DNA (JM)**
  - Jonathan Wells, *The Myth of Junk DNA,* Chapters 2, 9-10
  - Casey Luskin, "The ENCODE Embroilment: Research on 'Junk DNA' Verifies Key Predictions of Intelligent Design"
  - **Lecture: "Junk DNA, pt. 1"** (Jonathan Wells) (V)
  - **Lecture: "Junk DNA, pt. 2"** (Jonathan Wells) (V)

- **Ontogenetic Information (JM)**
    - Jonathan Wells, "Membrane Patterns Carry Ontogenetic Information That Is Specified Independently of DNA"
    - **Lecture: "Ontogenetic Information"** (Jonathan Wells) (V)

LIVE ZOOM SESSIONS | FRIDAY, JULY 2

- Live Q and A about "Intelligent Design and the Origin of Life" (Stephen Meyer, Brian Miller), 10:00-11:00 am CDT
    - *Break, 11:00-11:30 am CDT*
- Live Q and A about "Darwin's Doubt" (Stephen Meyer), 11:30 am-12:30 pm CDT
    - *Break, 12:30-1:00 pm CDT*
- Live Q and A about "More Fossil Discontinuities in the History of Life" (Günter Bechly, Casey Luskin), 1:00-2:00 pm CDT
    - *Break, 2:00-2:30 pm CDT*
- Live Q and A about "Irreducible Complexity and Co-Option" (Michael Behe, Casey Luskin), 2:30-3:15 pm CDT
- Live Q and A about "Edge of Evolution and Darwin Devolves" (Michael Behe), 3:15-4:00 pm CDT

LIVE ZOOM SESSIONS | SATURDAY, JULY 3

- Live Q and A about "Waiting Times and Other Obstacles to Evolution" (Günter Bechly, Ann Gauger, Casey Luskin), 10:00-11:00 am CDT
    - *Break, 11:00-11:30 am CDT*
- Live Q and A about "Why Only Design Explains the Origin of Animal Body Plans" (Paul Nelson), 11:30 am-12:30 pm CDT
- *Break, 12:30-1:00 pm CDT*
- Live Q and A about "A Design-Based Model to Explain the Pattern of Nature" (Winston Ewert), 1:00-2:00 pm CDT
    - *Break, 2:00-2:30 pm CDT*
- Live Q and A about "The Myth of Junk DNA" (Jonathan Wells, Casey Luskin), 2:30-3:15 pm CDT
- Live Q and A about "Ontogenetic Information" (Jonathan Wells), 3:15-4:00 pm

WEEK 3 | JULY 5-10

UNIT 6: DESIGN IN HUMAN LIFE AND SOCIETY

- Overview of Unit
- **The Biology of Human Uniqueness (JM)**
    - "Fire-Maker" (V)
    - Casey Luskin, "Missing Transitions: Human Origins and the Fossil Record," *Theistic Evolution*
    - Ann Gauger, Ola Hössjer, Colin Reeves, "Evidence for Human Uniqueness," *Theistic Evolution*
    - **Lecture: "The Biology of Human Uniqueness, pt. 1: Hominid Fossils"** (Casey Luskin) (V)

    - **Lectures: "The Biology of Human Uniqueness, pt. 2: Human Genetics"** (Casey Luskin) (V)
    - **Lecture: "The Biology of Human Uniqueness, pt. 3: Evolutionary Psychology"** (Casey Luskin) (V)
- **Philosophy of Mind (JM)**
    - Optional: J.P. Moreland, "The Physical Sciences, Neuroscience, and Dualism," *The Nature of Nature**
    - **Lecture: "The Nature and Existence of Consciousness and the Soul"** (JP Moreland) (V)
- **Darwinian Roots of the Devaluation of Life (JM)**
    - Charles Darwin, *The Descent of Man*/*On the Origin of Species* (selections) (DB)
    - Selections from American Eugenists (DB)
    - Richard Weikart, "Does Darwinism Devalue Human Life?"
    - C.S. Lewis, "Willing Slaves of the Welfare State"
    - "The Biology of the Second Reich" (V)
    - "Human Zoos" (V)
    - "War on Humans" (V)
    - Optional: John West, *Darwin Day in America,** Chapters 2-4, 6-8
    - **Lecture: "The Darwinian Roots of the Devaluation of Human Life"** (John West) (V)
    - Optional: "Darwin's Impact on Society in under 3 Minutes" (V)

UNIT 7: DIGGING DEEPER—NATURAL SCIENCES SEMINAR-ONLY TOPICS

- **Research Topics in Astrobiology (NS)**
    - Guillermo Gonzalez, "Habitable Zones and Fine-Tuning," *Nature of Nature**
    - Guillermo Gonzalez, "What Astrobiology Teaches about the Origin of Life," *The Mystery of Life's Origin*
    - **Lecture: "Research Topics in Astrobiology"** (Guillermo Gonzalez and Bijan Nemati) (V)
- **Application of Engineering to Biology (NS)**
    - **Lecture: "Applications of Engineering in Biology"** (Brian Miller) (V)
    - **Lecture: "Using Engineering Principles to Understand Biology"** (Stuart Burgess) (V)
- **Natural Selection Is Not Inventive (NS)**
    - Douglas Axe and Ann Gauger, "Model and Laboratory Demonstrations That Evolutionary Optimization Works Well Only If Preceded by Invention—Selection Itself Is Not Inventive"
    - Douglas Axe, Brendan Dixon, Philip Lu, "*Stylus*: A System for Evolutionary Experimentation Based on a Protein/Proteome Model with Non-Arbitrary Functional Constraints"
    - **Lecture: "The Stepping Stones Argument for Evolution, pt. 1"** (Douglas Axe) (V)
    - **Lecture: "The Stepping Stones Argument for Evolution, pt. 2"** (Douglas Axe) (V)
    - **Lecture: "The Stepping Stones Argument for Evolution, pt. 3"** (Douglas Axe) (V)
    - **Lecture: "The Stepping Stones Argument for Evolution, pt. 4"** (Douglas Axe) (V)
- **Challenges to the Tree of Life (NS)**
    - B. Johnson, "Taxonomically Restricted Genes Are Fundamental to Biology and Evolution"
    - **Lecture: "Challenges to Common Descent"** (Paul Nelson) (V)

- **The Immaterial Genome (NS)**
  - Optional: James Shapiro, "Genome Informatics: The Role of DNA in Cellular Computations"
  - Optional: Keith Baverstock, "Only DNA? Really?"
  - Optional: Michael Polanyi, "Life's Irreducible Structure"
  - Optional: M. Katnelson, et al., "Towards physical principles of biological evolution"
  - Optional: Robert Alicki, "Physical limits on self-replication processes"
  - Optional: Alyssa Adams, et al., "Formal Definitions of Unbounded Evolution..."
  - Optional: Chiara Marletto, "Constructor theory of life"
  - **Lecture: "The Immaterial Genome"** (Richard Sternberg) (V)

LIVE ZOOM SESSIONS | FRIDAY, JULY 9

- Live Q and A about "The Biology of Human Uniqueness" (Casey Luskin, Ann Gauger, Günter Bechly), 10:00-11:00 am CDT
  - *Break, 11:00-11:30 am CDT*
- Live Q and A about "Philosophy of Mind" (J.P. Moreland), 11:30 am-12:30 pm CDT
  - *Break, 12:30-1:00 pm CDT*
- Live Q and A about "The Darwinian Roots of the Devaluation of Life" (John West, Richard Weikart), 1:00-2:00 pm CDT
  - *Break, 2:00-2:30 pm CDT*
- Live demonstration of Stylus and Q and A about "Natural Selection Is Not Inventive" (Douglas Axe), 2:30-4:00 pm CDT

LIVE ZOOM SESSIONS | SATURDAY, JULY 10

- Live Q and A about "Research Topics in Astrobiology" (Bijan Nemati, Guillermo Gonzalez), 10:00-11:00 am CDT
  - *Break, 11:00-11:30 am CDT*
- Live Q and A about "Application of Engineering to Biology" (Stuart Burgess, Brian Miller), 11:30 am-12:30 pm CDT
  - *Break, 12:30-1:00 pm CDT*
- Live Q and A about "Challenges to the Tree of Life" (Paul Nelson), 1:00-2:00 pm CDT
  - *Break, 2:00-2:30 pm CDT*
- Live Q and A about "The Immaterial Genome" (Richard Sternberg), 2:30-3:30 pm CDT

WEEK 4 | UNIT 8: IN-PERSON CAPSTONE WEEKEND, JULY 15-17 (DALLAS)

With the exception of meals and evening sessions on Thursday and Friday, participants outside the United States and others unable to attend the in-person weekend will still be able to participate in the capstone weekend sessions online.

THURSDAY, JULY 15

- **Opening Dinner** | 6:30-7:30 pm CDT
- **Evening Session: AI and Human Uniqueness (JM)** | 7:30-9:30 pm CDT
  - Presentations and discussion with Robert Marks and William Dembski.

Note: This session is only available to those United States participants able to attend in-person in Dallas. All others should watch the video supplied at the course website: "AI's Role in Unlocking Human Potential" (Robert Marks, George Montanez, Oren Etzioni)

FRIDAY, JULY 16

- **Breakfast** | 8:00-9:00 am CDT
- **Morning Session: Multiverses (NS)** | 9:30 am-12:00 pm CDT (Stephen Meyer, Bruce Gordon, Brian Miller)
    - *Preparation for session:*
        - "Fine-Tuning: You Don't Suck" (V)
        - Steven Weinberg, "Living in the Multiverse," *The Nature of Nature**
        - Bruce Gordon, "Balloons on a String: A Critique of Multiverse Cosmology," *The Nature of Nature**
        - Bruce Gordon, "A Matter of Considerable Gravity"
- **Lunch and Break** | 12:00-2:00 pm CDT
- **Afternoon Session: ID 3.0 Research (NS)** | 2:00-5:00 pm CDT **(**Casey Luskin, Paul Nelson, Richard Gunasekera, Greg Shearer, Charisse Nartey)
- **Dinner** | 6:00-7:00 pm CDT
- **Evening Session: How to Survive Academia (JM)** | 7:00-8:30 pm CDT (John West, Casey Luskin)

Note: This session is only available to those United States participants able to attend in-person in Dallas, but an alternate video will be supplied in the course player after the live session.)

SATURDAY, JULY 17

- **Breakfast** | 8:00-9:00 am CDT
- **Morning Session 1: Science, Faith, and Intelligent Design (JM)** | 9:00 am-10:45 am CDT (John West)
    - *Preparation for session:*
        - "Darwin's Corrosive Idea"
        - Stephen Meyer, "Return of the God Hypothesis" (essay)
        - Optional: "The Problem of Bad Design" (Douglas Axe) (V)
        - Optional: "Intelligent Design and the Problem of Evil" (Stephen Meyer) (A)
        - Optional: *God and Evolution*, Introduction, Chapters 1-2, 8-10, 14-15
- **Morning Session 2: Ending Q and A (JM)** | 11:00 am-12:00 pm CDT
- **Lunch and Break** | 12:00-1:15 pm CDT
- **Wrap-Up and Evaluations (NS)** | 1:15-2:15 pm CDT
- **Ending Sharing (JM)** | 2:30-4:30 pm CDT
- **Ending Banquet** | 6:30-8:30 pm CDT

Faculty and Staff for 2021 CSC Seminar on Intelligent Design in the Natural Sciences

|Seminar Directors and Staff|

Casey Luskin, MS, JD, PhD | Director, Seminar on ID in the Natural Sciences

Casey Luskin is Associate Director of the Center for Science and Culture at Discovery Institute. He was trained as both a scientist and an attorney, having earned his bachelor's and master's degrees in earth sciences at the University of California at San Diego and a law degree from the University of San Diego. He formerly conducted scientific research at Scripps Institution for Oceanography and studied evolution extensively at both the undergraduate and graduate levels. In 2001, Luskin cofounded the Intelligent Design and Evolution Awareness (IDEA) Center, helping high school and college students to learn about ID by forming IDEA Clubs. He has lectured and published widely on ID in journals, books, and popular venues.

John G. West, PhD | Director, C.S. Lewis Fellows Program

John West is Vice President of Discovery Institute and Managing Director of the Institute's Center for Science and Culture, which he co-founded with Stephen Meyer in 1996. Formerly the Chair of the Department of Political Science and Geography at Seattle Pacific University, West is an award-winning author and documentary filmmaker who has written or edited 12 books, including *Darwin Day in America: How Our Politics and Culture Have Been Dehumanized in the Name of Science, The Magician's Twin: C. S. Lewis on Science, Scientism, and Society,* and *Walt Disney and Live Action*. His documentary films include *Fire-Maker, Revolutionary, The War on Humans*, and (most recently) *Human Zoos*. West holds a PhD in Government from Claremont Graduate University, and he has been interviewed by media outlets such as CNN, Fox News, *Time*, *The New York Times*, *USA Today*, and *The Washington Post.*

Daniel Reeves, BA | Summer Program Coordinator

Daniel Reeves is Director of Education and Outreach with Discovery Institute's Center for Science and Culture. He holds a BA in Biology with additional graduate studies in Zoology. Before joining the Discovery Institute, Daniel has engaged in both field and laboratory research for the U.S. Environmental Protection Agency and U.S. Department of Agriculture. He also has a passion for education, and has taught science in both museums and public schools.

| Faculty |

Douglas Axe, PhD | Maxwell Professor of Molecular Biology, Biola University.
Douglas Axe is founding Director of Biologic Institute, the founding Editor of *BIO-Complexity,* and the author of *Undeniable: How Biology Confirms Our Intuition That Life Is Designed.* After completing his PhD in Chemical Engineering at Caltech, he held postdoctoral and research scientist positions in biology at the University of Cambridge and the Cambridge Medical Research Council Centre. His research, which examines the functional and structural constraints on the evolution of proteins and protein systems, has been featured in many scientific journals, including the *Journal of Molecular Biology,*

Proceedings of the National Academy of Sciences, BIO-Complexity, and *Nature*, and in such books as *Signature in the Cell* and *Darwin's Doubt* by Stephen Meyer and *Life's Solution* by Simon Conway Morris.

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