

Department of Full Luxury Galactic Metascience
PhD Plan for CANDIDATE

Committee:

Prof. MEMBER1

Dr. MEMBER2

Dr. MEMBER3

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Phenomenon

The subject matter to be addressed. One paragraph is often enough. A single citation for background is useful, for example.¹ Additional references can be included at the end bibliography by using `\nocite`.

¹ J. Henrich and R. McElreath. The evolution of cultural evolution. *Evolutionary Anthropology*, 12:123–135, 2003

Theoretical Perspective

The framework for explaining the phenomenon. What are the implications of theory? If more than one theory is relevant, how do the implications differ? What are the current holes in the theory or theories?

Approach

Modeling and empirical research approach to address the theory/ies nominated above. Important thing is to *justify* the approach in terms of theory.

Specifics of Approach

Outline any special skills, equipment, or techniques that will be required. This includes, in the case of field research, a paragraph on the background of the field location. Data analysis approach needs a sketch. Can use citation² for further detail.

² C. Merow, J. P. Dahlgren, C. J. E. Metcalf, D. Z. Childs, M. E. K. Ecan, E. Jongejans, S. Record, M. Rees, R. Salguero-Gomez, and S. M. McMahon. Advancing population ecology with integral projection models: a practical guide. *Methods in Ecology and Evolution*, 5:99–110, 2014

Expected Products

A list of the (usually 3) articles expected for completion of the PhD. Think of each as a fantasy abstract.

1. *The Evolution of Human Uniqueness*. There is wide agreement that humans are unique. But it is rarely asked: Have they always been unique? In this paper, we derive a general uniqueness theorem that states that any unique species must have been less unique

at some point in the past. This theorem has implications for the achievement of world peace.

2. *Niche Construction, Disease Transmission, and Global Warming: Chaos Deconstructs the Block Chain.* How many buzz words can be combined in a title? In this paper, we find that the natural limit on buzz words in any specific scholarly field is always given by the triangular number T_n where n is one more than the number of tenured faculty in the field.
3. *A Bayesian Hierarchical Survival Analysis of Counting Sheep.* Just like all those other models of counting sheep, but this one will be Bayesian.

Schedule

Outline of the calendar for the work. This is necessarily rough and subject to change.

Date (Duration)	Phase	Comment
Jan 2019 (1 year)	Phase 1	First wave of being awesome
Jan 2020 (1 year)	Phase 2	Write papers #1 and #2
Jan 2021 (6 months)	Phase 3	Second wave of awesomeness
Jun 2021 (6 months)	Phase 4	Write paper #3

References

- [1] J. Henrich and R. McElreath. The evolution of cultural evolution. *Evolutionary Anthropology*, 12:123–135, 2003.
- [2] C. Merow, J. P. Dahlgren, C. J. E. Metcalf, D. Z. Childs, M. E. K. Ecan, E. Jongejans, S. Record, M. Rees, R. Salguero-Gomez, and S. M. McMahon. Advancing population ecology with integral projection models: a practical guide. *Methods in Ecology and Evolution*, 5:99–110, 2014.

- [3] P. J. Richerson and R. Boyd. *Not by genes alone: How culture transformed human evolution*. University of Chicago Press, 2005.