

Biofuels Research Scientist Interview Questions

1. Share an experience in which you oversaw biodiesel/biofuels prototyping and/or development projects.

2. Describe an effective biodiesel or biofuels research project which you designed and/or conducted. What methods made you successful?

3. Provide an experience in which you successfully prepared experimental plans for biofuels research and/or development.

4. Share an experience in which you effectively provided technical and/or scientific guidance to technical staff in the conduct of biofuels research or development.

5. Describe your experience analyzing data from biofuels studies.

6. Describe the methods you have used to prepare biofuels research and development reports.

7. Provide an experience in which you proposed an effective new biofuels product, process, technology, or application based on findings from research.

8. Tell me about research you conducted which helped you to breed or develop improved energy crops.

9. Provide an experience in which you developed a successful separation process for recovering biofuels.

10. Tell me about an effective solvent or product recovery experiment which you designed and/or executed in a laboratory or field setting.

11. Provide an experience in which you developed a computational tool or approach which improved biofuels research and/or development activities.

12. Tell me about an effective carbohydrate array or associated method which you developed. What methods made you successful?

13. Share an experience in which you effectively performed protein functional analysis and engineering for processing of feedstock and creation of biofuels.

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14. Tell me about an effective method which you developed to recover ethanol or another fuel from complex bioreactor liquid and gas streams.

15. Describe an effective method which you developed to estimate the efficiency of biomass pretreatments.

16. Tell me about an effective chemical conversion process which you designed.

17. Share an experience in which you conducted a successful experiment to test new or alternate feedstock fermentation processes.

18. Tell me about an effective experiment which you conducted on biomass or pretreatment technologies.