

# Reinventing Electroconvulsive Therapy

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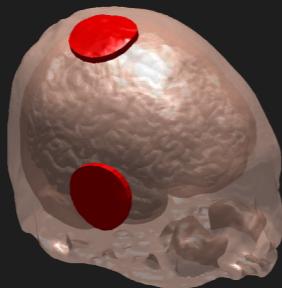
1

electrical stimulus



pulse generator

2



scalp electrodes

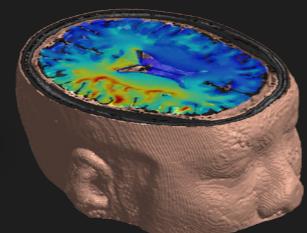
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generalized  
tonic-clonic seizure

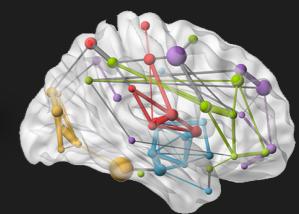
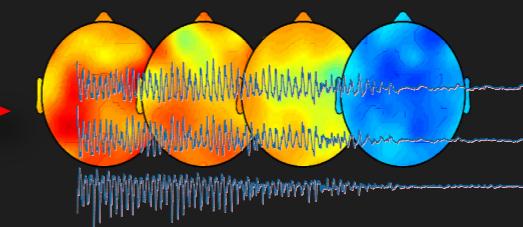
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4

changes in brain  
activity/connectivity

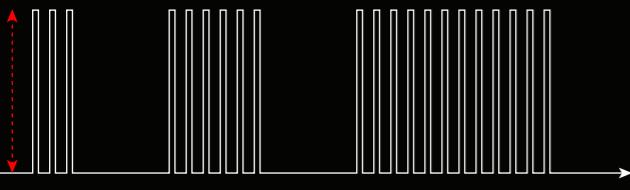
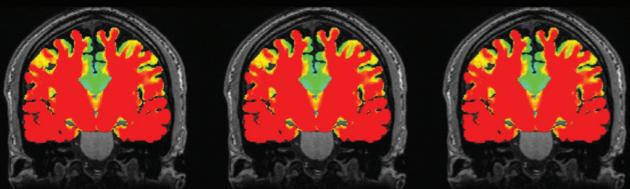


electric field in brain



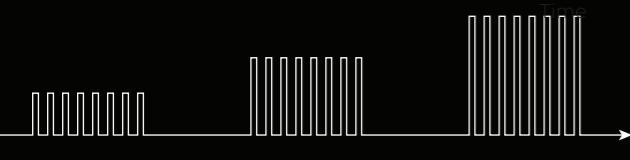
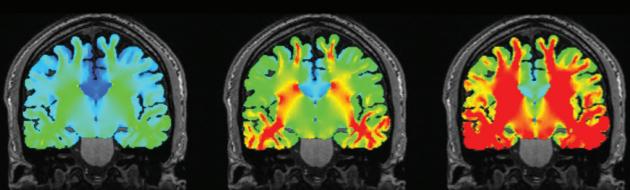
# Conventional ECT

800 mA      800 mA      800 mA



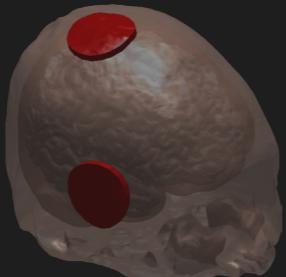
# iLAST

200 mA      400 mA      600 mA

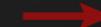
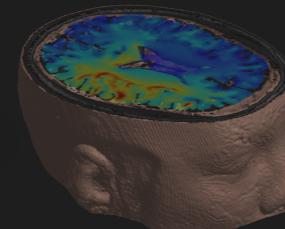


mulus

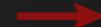
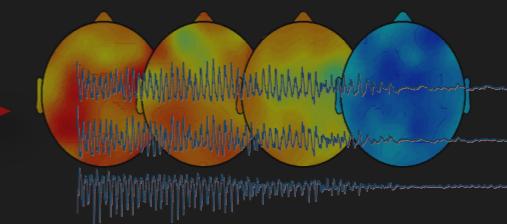
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3



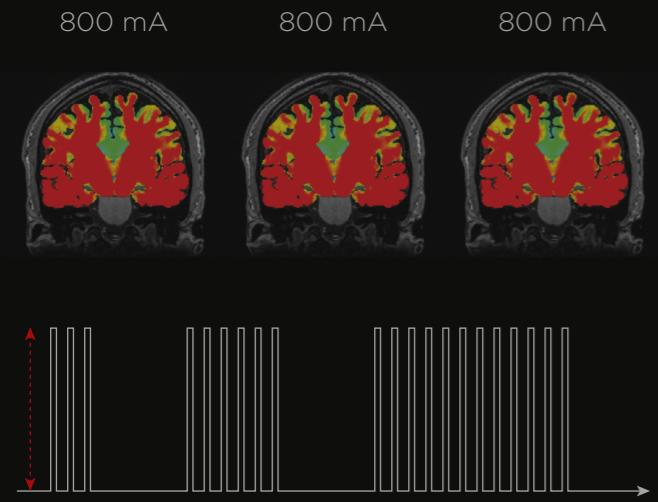
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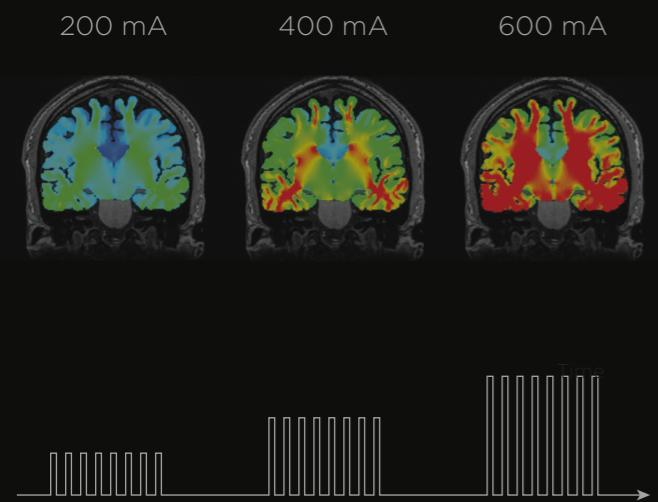
generalized  
tonic-clonic seizure

changes in brain  
activity/connectivity

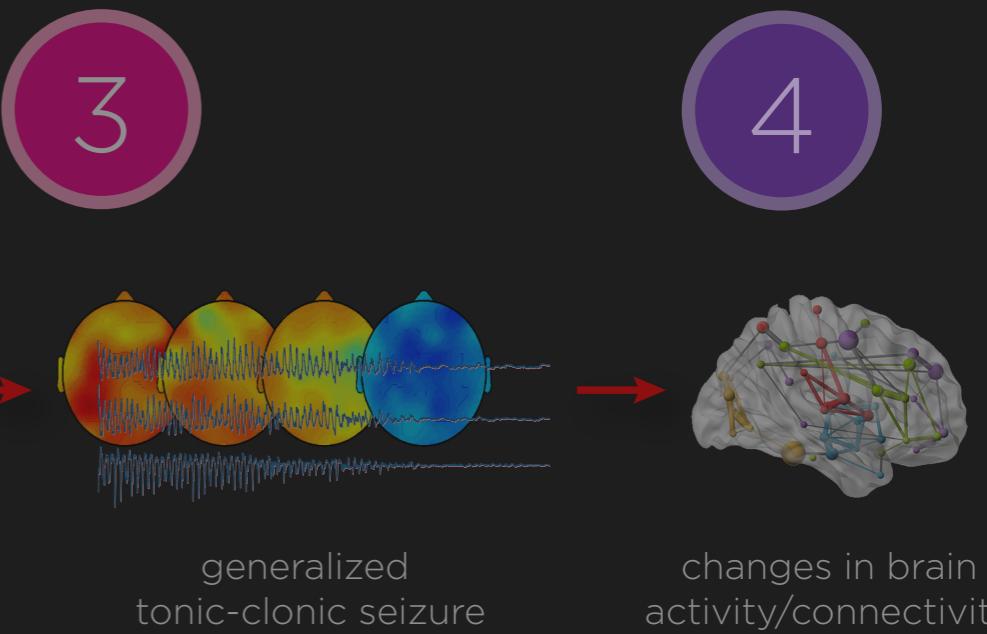
# Conventional ECT



# iLAST



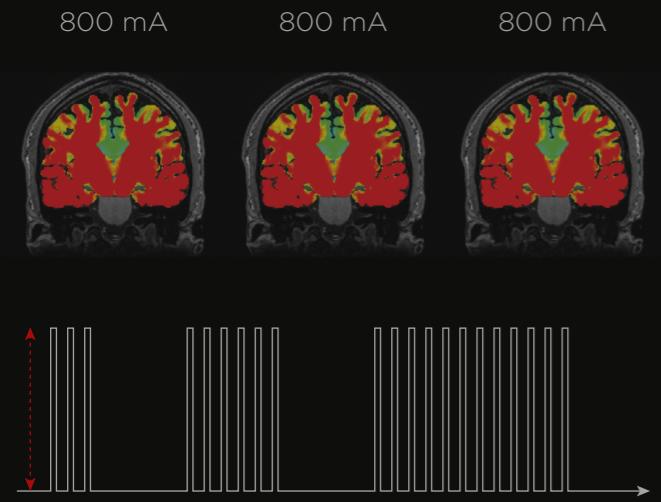
field in brain



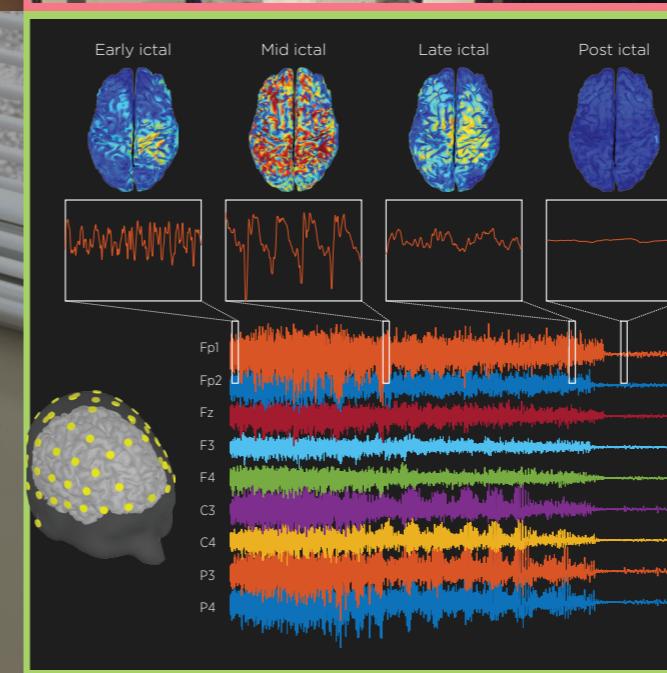
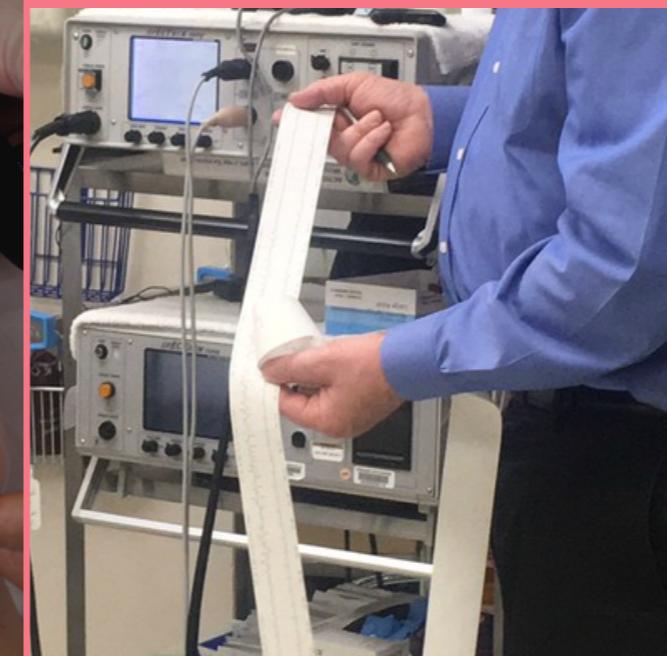
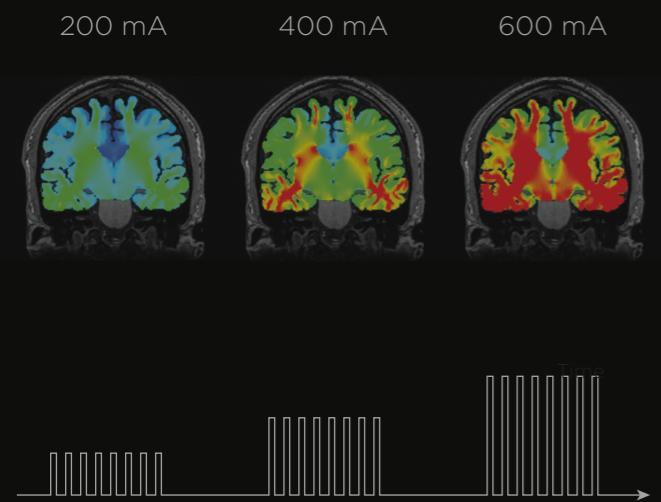
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# Conventional ECT

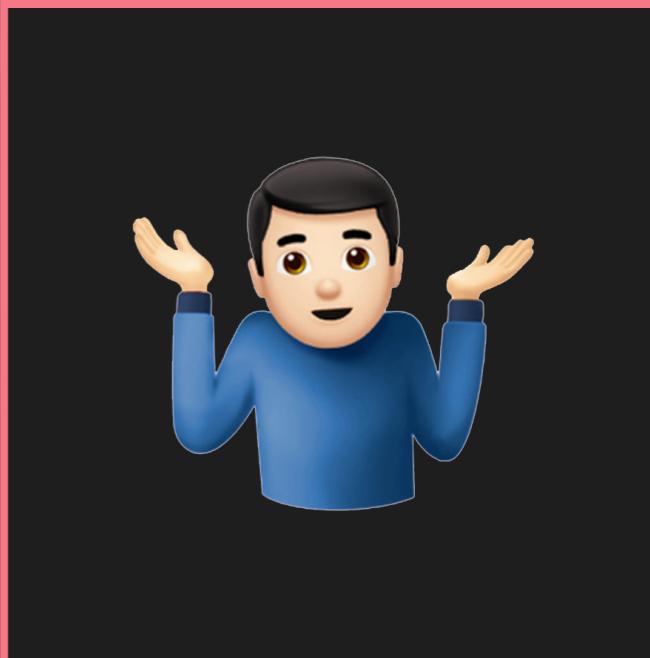
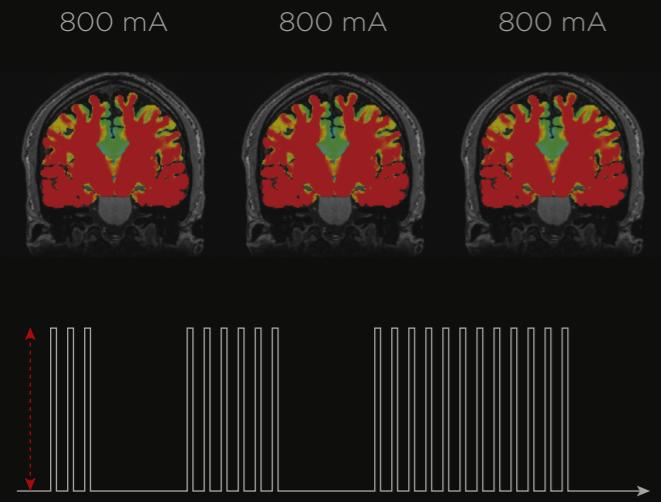


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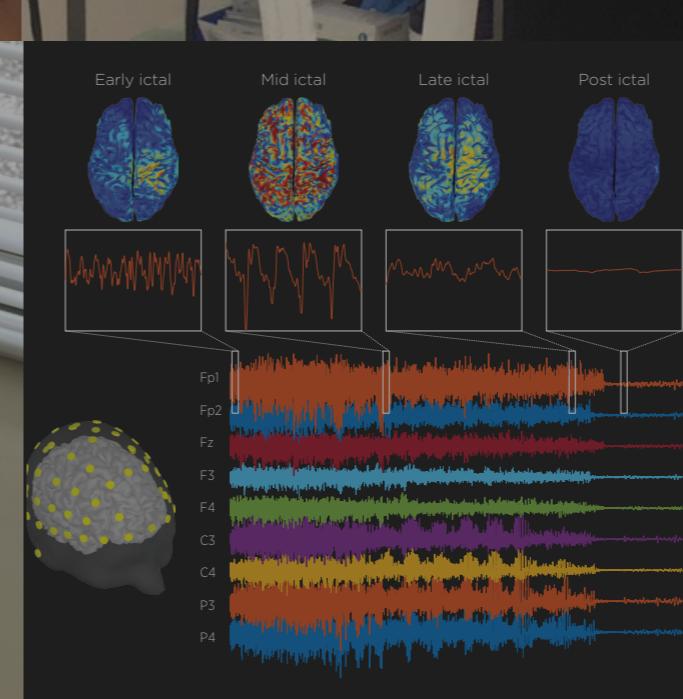
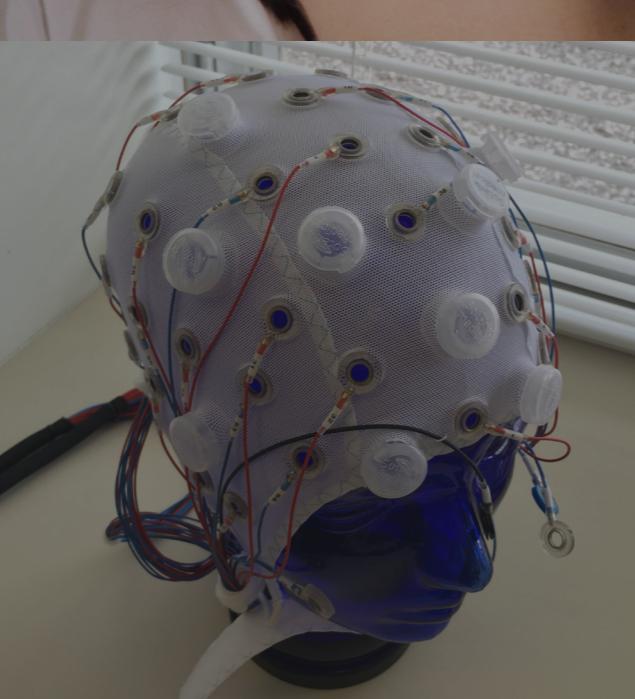
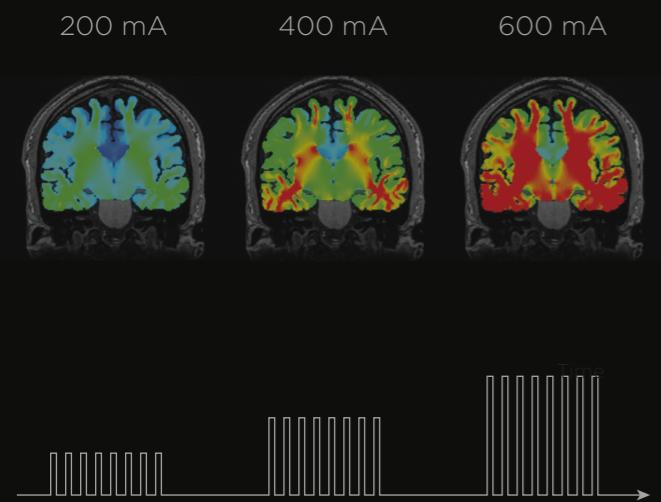


changes in brain  
activity/connectivity

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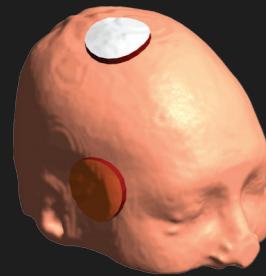


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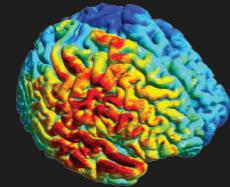
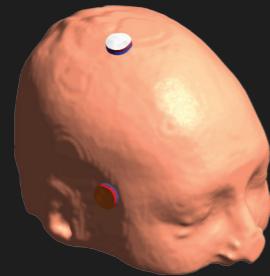


## Conventional ECT

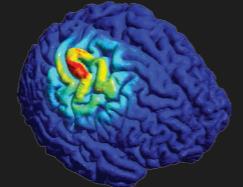
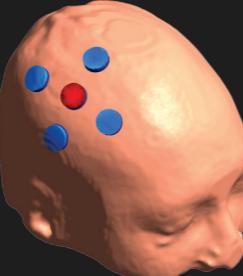
RUL



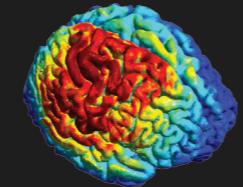
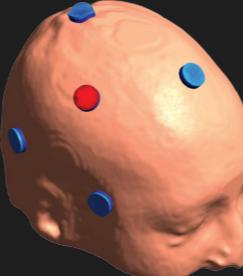
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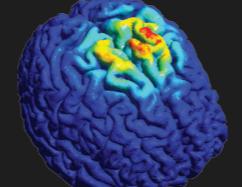
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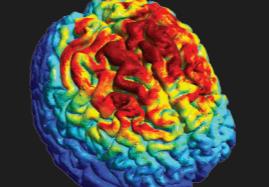
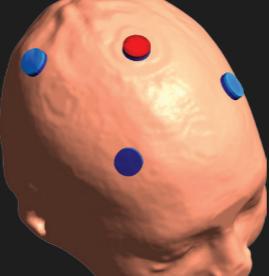
3. MCnf



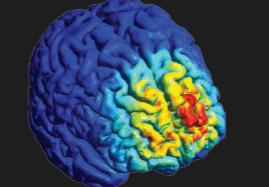
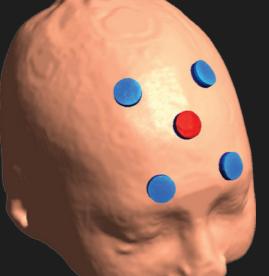
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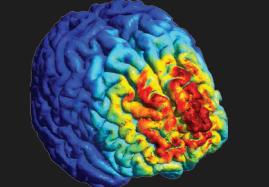
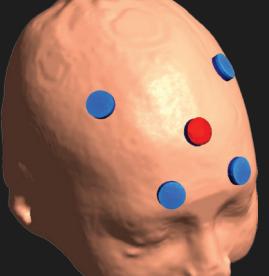
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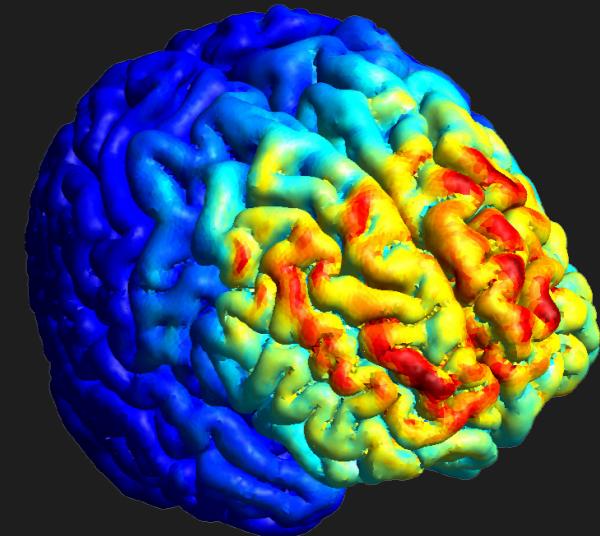
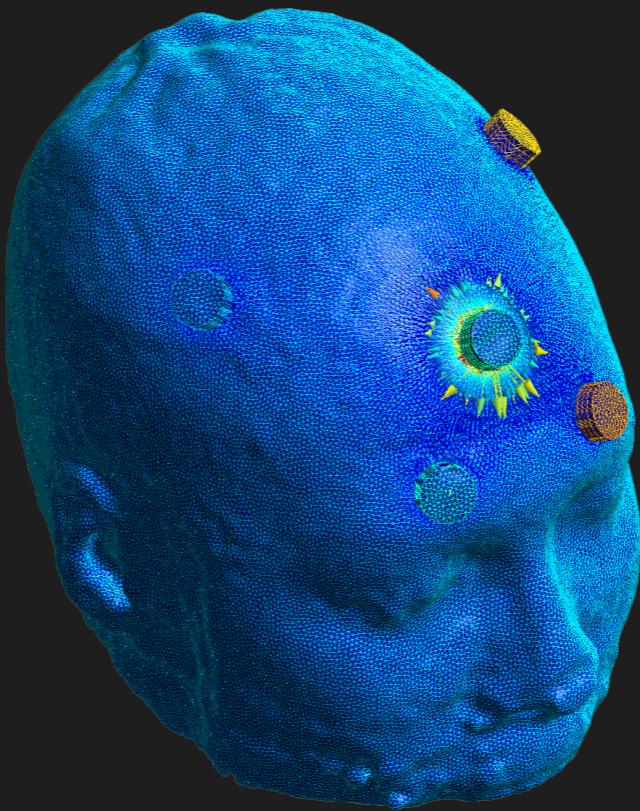
6. PFCf



7. PFCnf



## iLAST



# Project “Cinnamon”

