



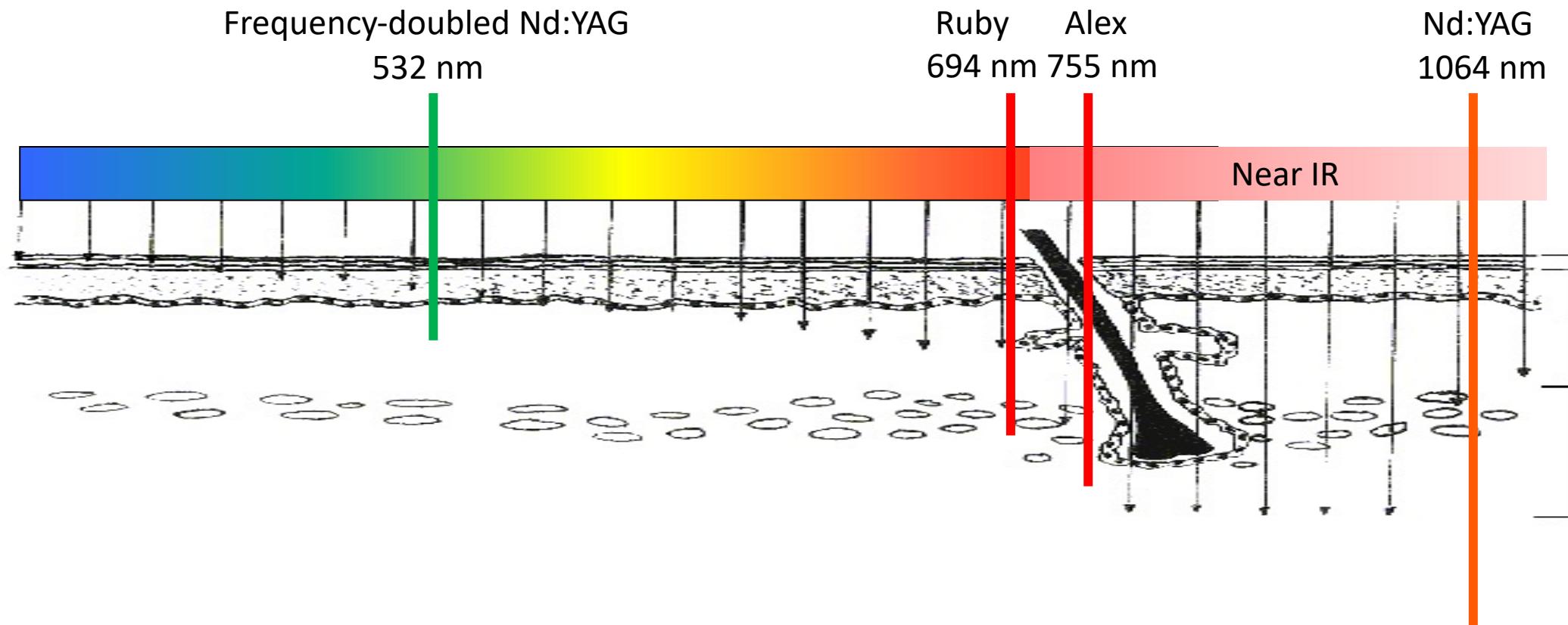
THE LASER-IPL GUYS

Tattoo Laser  
Wavelengths – How  
do they Compare?





# Tattoo Laser Wavelengths





## Tattoo Laser Wavelengths



Strongly absorbed by melanin  
More energy absorbed in basal layer  
More heating there  
More blistering  
Lower penetration than longer wavelengths  
Stronger absorption by red inks  
Lowest 'back-scattering' (up to 30%)

'Mid' penetration depth  
Significant absorption by melanin  
Can blister easily in darker skins  
High back-scattering (up to 60%)

Deepest penetration  
Very little absorption by melanin  
Least risk of blistering  
Well absorbed by black & darker blues  
High level of back-scattering (potentially > 55%)





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Thanks for listening

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