Rider University

NMR-CTP Tutorial: Web-Based NMR Training for Undergraduates

www.rider.edu/nmr ⇒ NMR Tutorial

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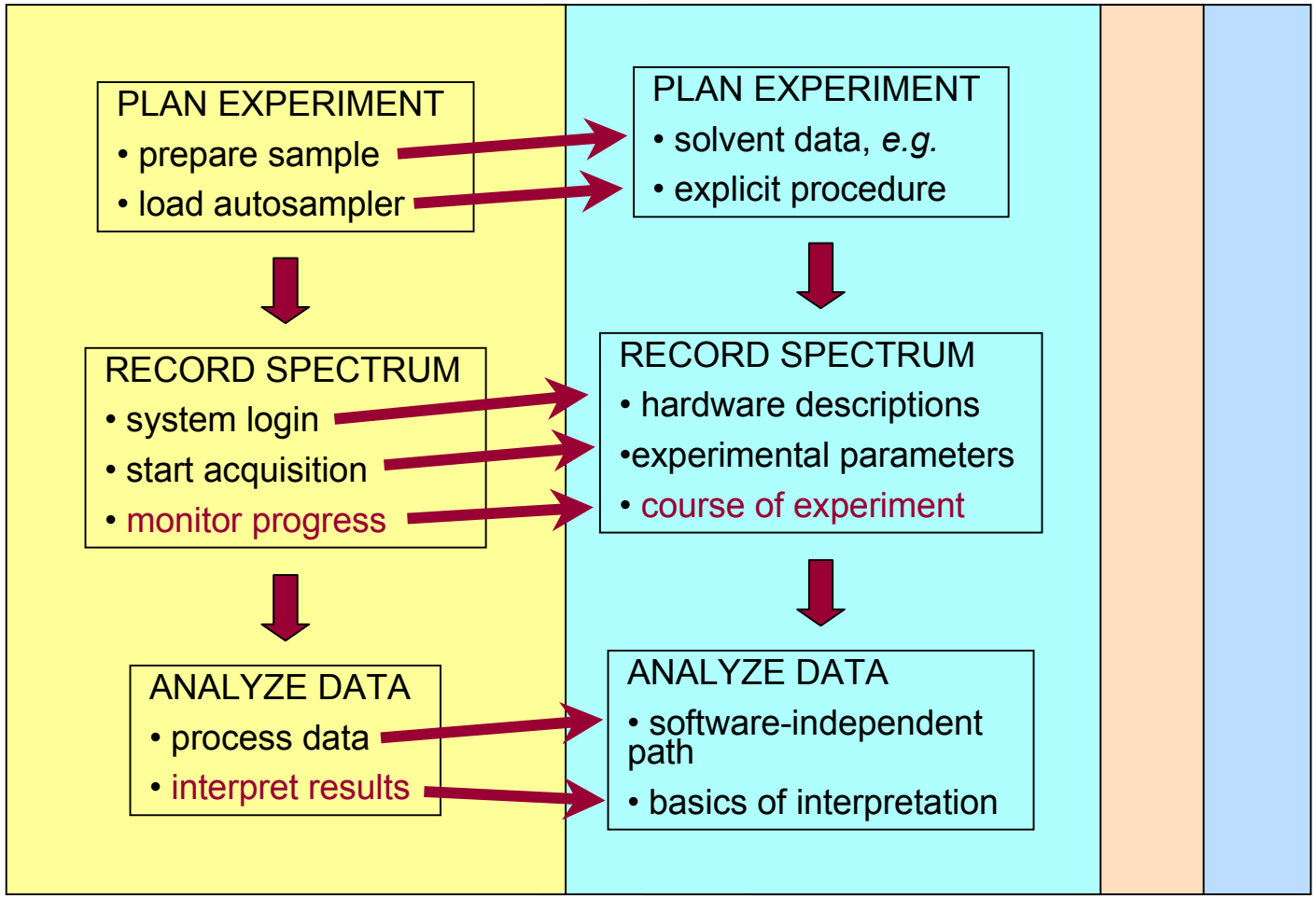
NMR Collaborative Training Project (NMR-CTP)

- cooperative program involving Rider University and several 2- and 4-year colleges in NJ and PA
- goal is to provide access to, and training in, modern NMR instrumentation for students at smaller schools
- spectrometer (Bruker Avance 300) located at Rider
- data are distributed via the Internet and processed locally (using NUTS)
- need for web-based training suitable for AS and BS-level students and their instructors

NMR-CTP Tutorial Structure

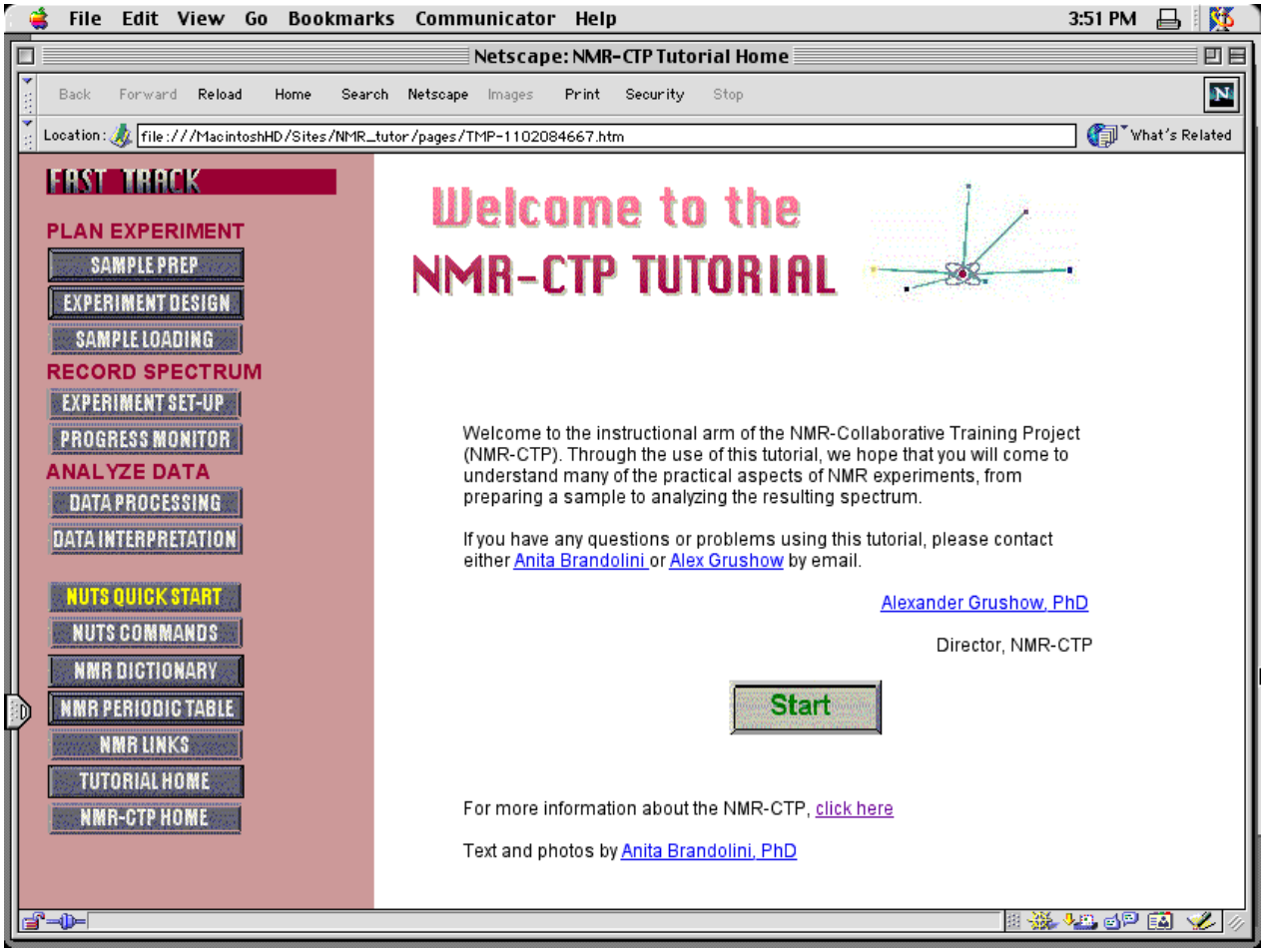


Increasing level of complexity →

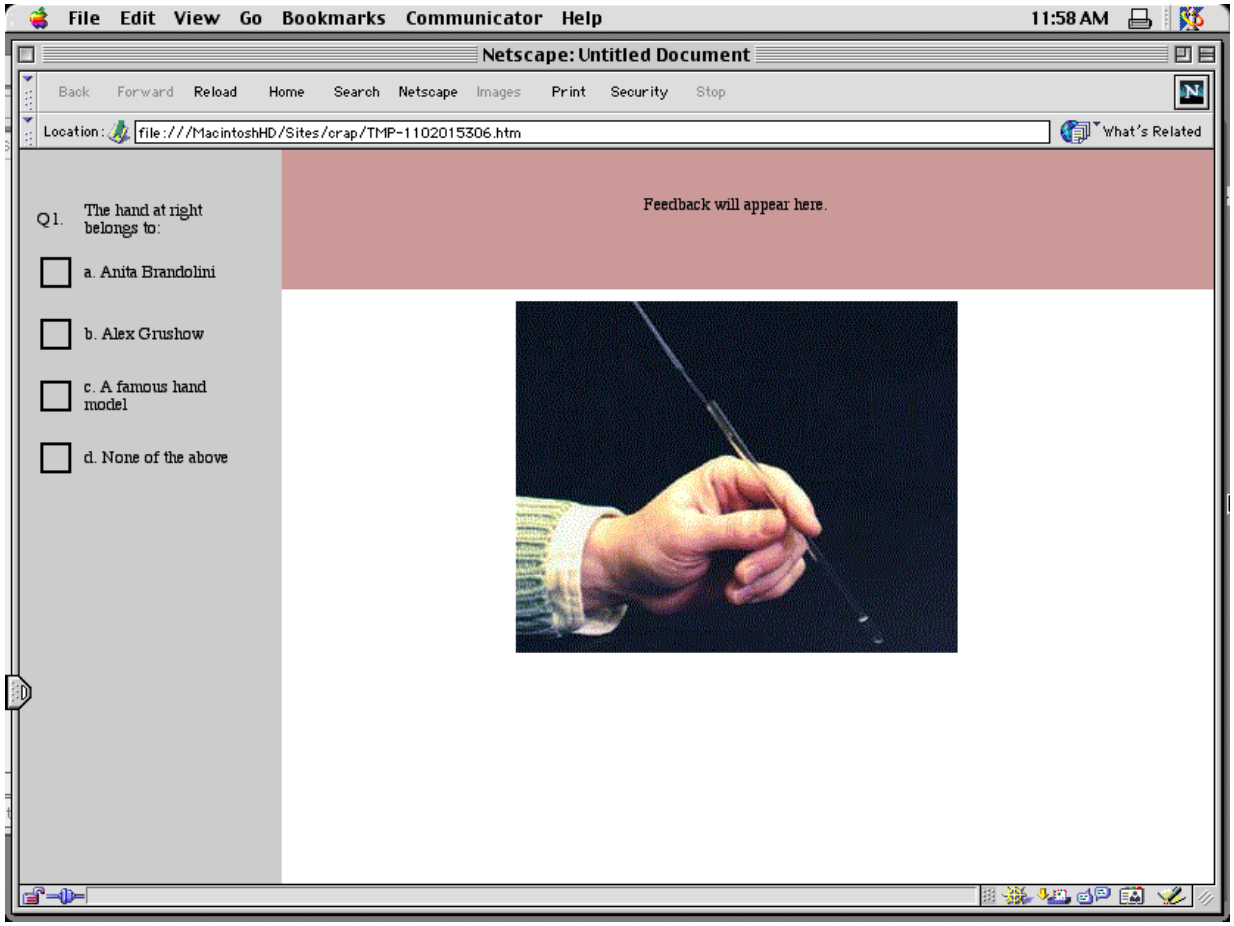
Considerations:

- allow multiple paths for different user levels and interests
- facilitate movement from one level to another
- make information as visual and interactive as possible
- provide “no frills” data-processing guidance
- insure that background information is redundant (but not repetitious) to accommodate free movement through site
- give supplemental information such as NMR Periodic Table, useful links, *etc.*
- develop self-test capabilities to let users gauge their own progress (future)

NMR-CTP Tutorial Homepage



Self-test example (future development)



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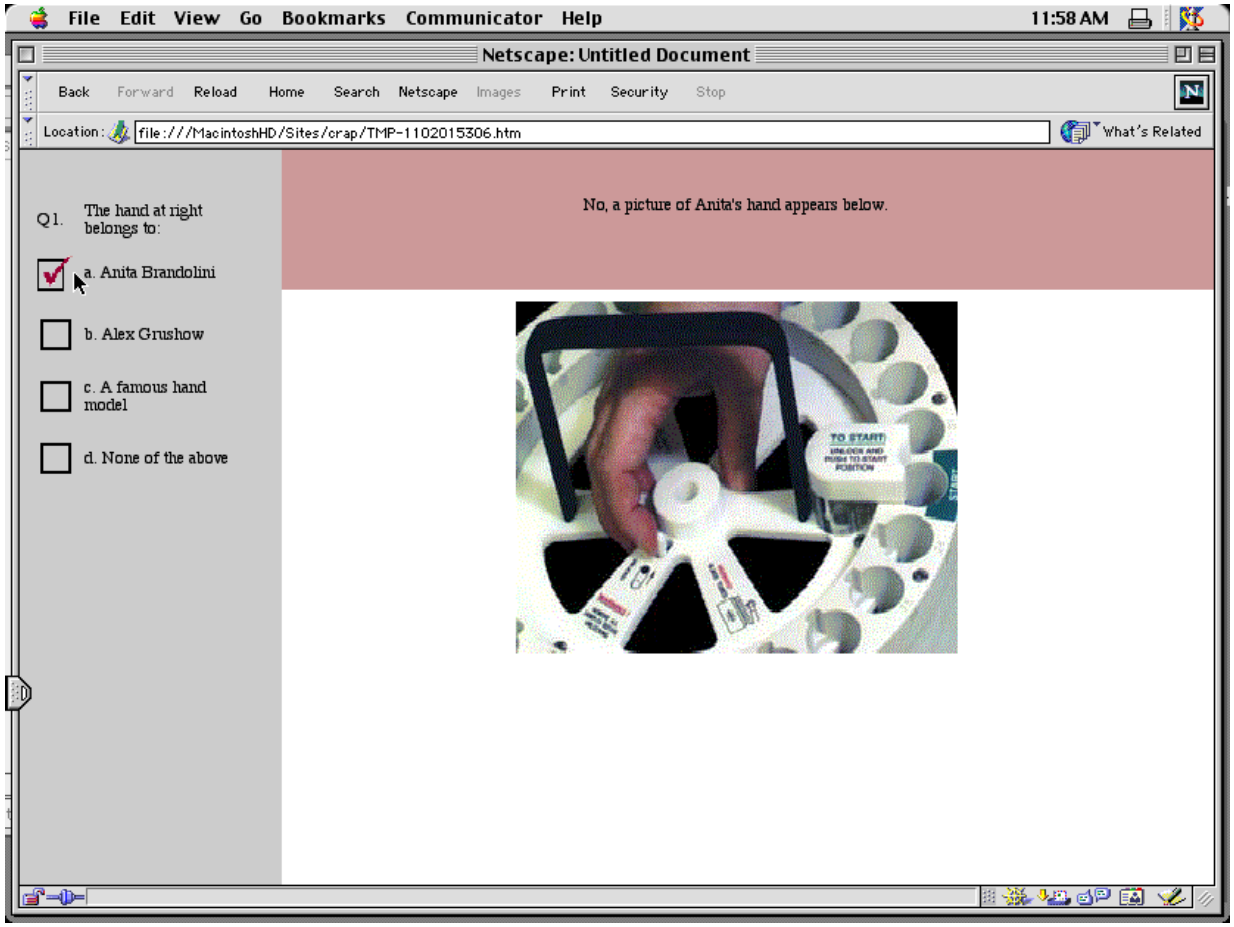

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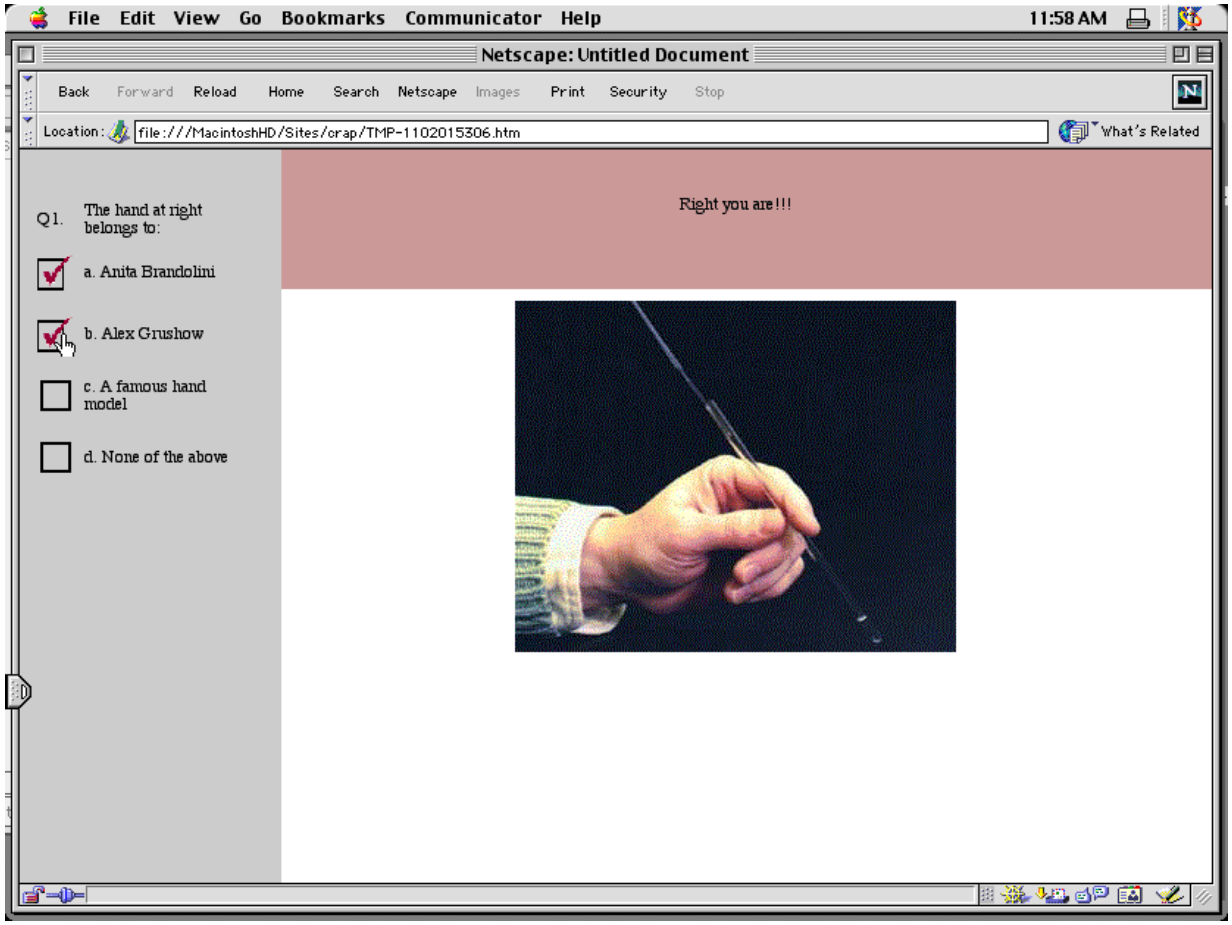

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Address: www.rider.edu/nmr ⇒ NMR Tutorial

- send comments, suggestions, or extravagant praise to abrandolini@rider.edu