Supporting Information

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ezCADD: A Rapid 2D/3D Visualization Enabled Web Modeling		
Environment for Democratizing Computer-Aided Drug Design		
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ezCADD User Questionnaire for First-Year Pharmacy Students		
IRB Exempt Status Approved, Study Number: IRB-FY2019-38		
Cohort size: 95 Exercise and survey duration: 20 minutes		
Question #1 Before starting the ezCADD exercise, please rate your PRIOR hands-on experience in molecular visualization and modeling:		
a. Zero experience		
b. A little bit experience		
c. Some experience		
d. Good experience		
Question #2 How does ezCADD visualization help you understand the structures of β 2 adrenergic receptor and its drug alprenolol?		
a. Not helpful		
b. Somewhat helpful		
c. Helpful		
d. Very helpful		
Question #3 How does ezCADD molecular docking help you understand the process of drug-protein target binding and recognition?		
a. Not helpful		
b. Somewhat helpful		
c. Helpful		
d. Very helpful		
Question #4 Were you able to follow the instructions and complete the molecular docking experiment on your own?		
a. Yes		
b. No		
c. Partially		

- 37 Question #5 After completing the ezCADD exercise, please rate your hands-on experience
- 38 in molecular visualization and modeling:
- 39 a. Zero experience
- 40 b. A little bit experience
- 41 c. Some experience
- 42 d. Good experience
- 43 Question #6 Please rate your overall ezCADD user experience:
- 44 a. Easy and user friendly
- 45 b. Difficult and not user friendly
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Student Survey Data

Q1 response	Count	Frequency
Zero experience	30	31.58%
A little bit experience	31	32.63%
Some experience	25	26.32%
Good experience	9	9.47%
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Q2 response	Count	Frequency
Not helpful	0	0.00%
Somewhat helpful	14	14.74%
Helpful	50	52.63%
Very helpful	31	32.63%
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Q3 response	Count	Frequency
Not helpful	1	1.05%
Somewhat helpful	20	21.05%
Helpful	53	55.79%
Very helpful	21	22.11%
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Q4 response	Count	Frequency
Yes	80	84.21%
No	2	2.11%
110		
Partially	13	13.68%

Q5 response	Count	Frequency
Zero experience	0	0.00%
A little bit experience	20	21.05%
Some experience	46	48.42%
Good experience	29	30.53%
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Q6 response	Count	Frequency
Easy and user friendly	84	88.42%
Difficult and not user friendly	11	11.58%