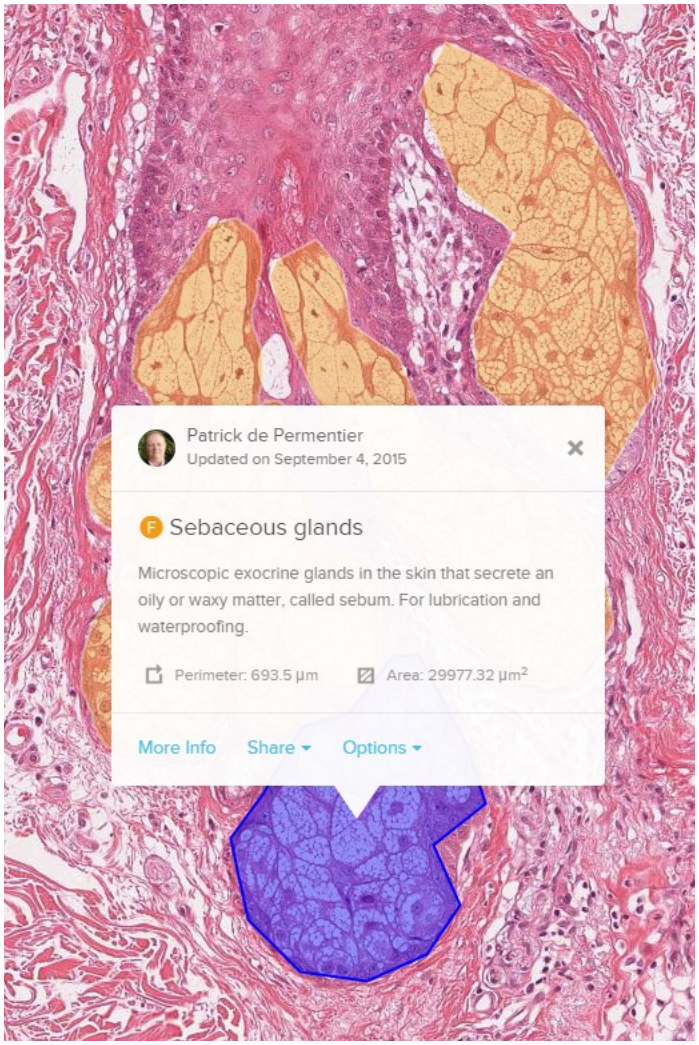
Enabling online, real-time classroom interactions with digital images to support student learning

Stephanie Dowdell,
Betty Kan,
Nalini Pather &
Patrick de Permentier

What is the Slice image bank?

- An online, shared cloud based image repository
- Supports many file types
- Images are contributed from academics around the world
- An annotation tool for marking features

www.slice.edu.au

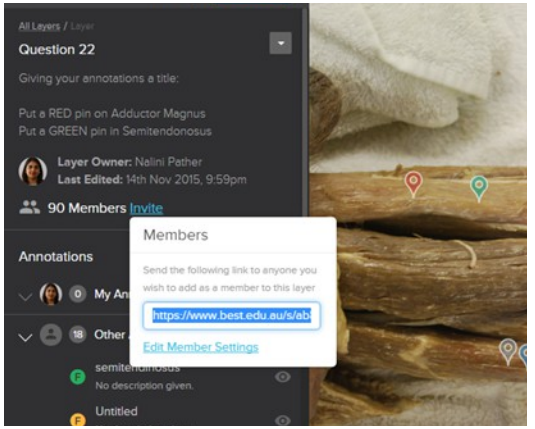


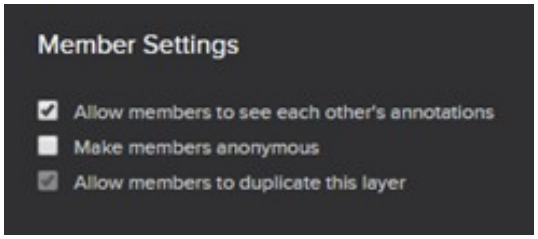
Our problem was:

1. Academics had no visibility over student annotations
2. There was no way to provide them with feedback
3. There was no way for students to collaborate with each other

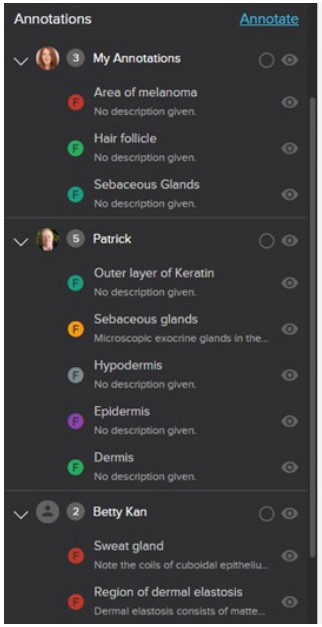
Improving the functionality:

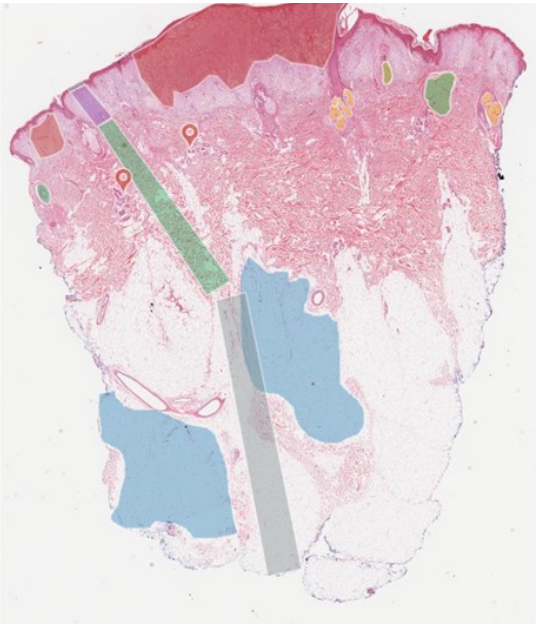
Invite people to join annotation layers…





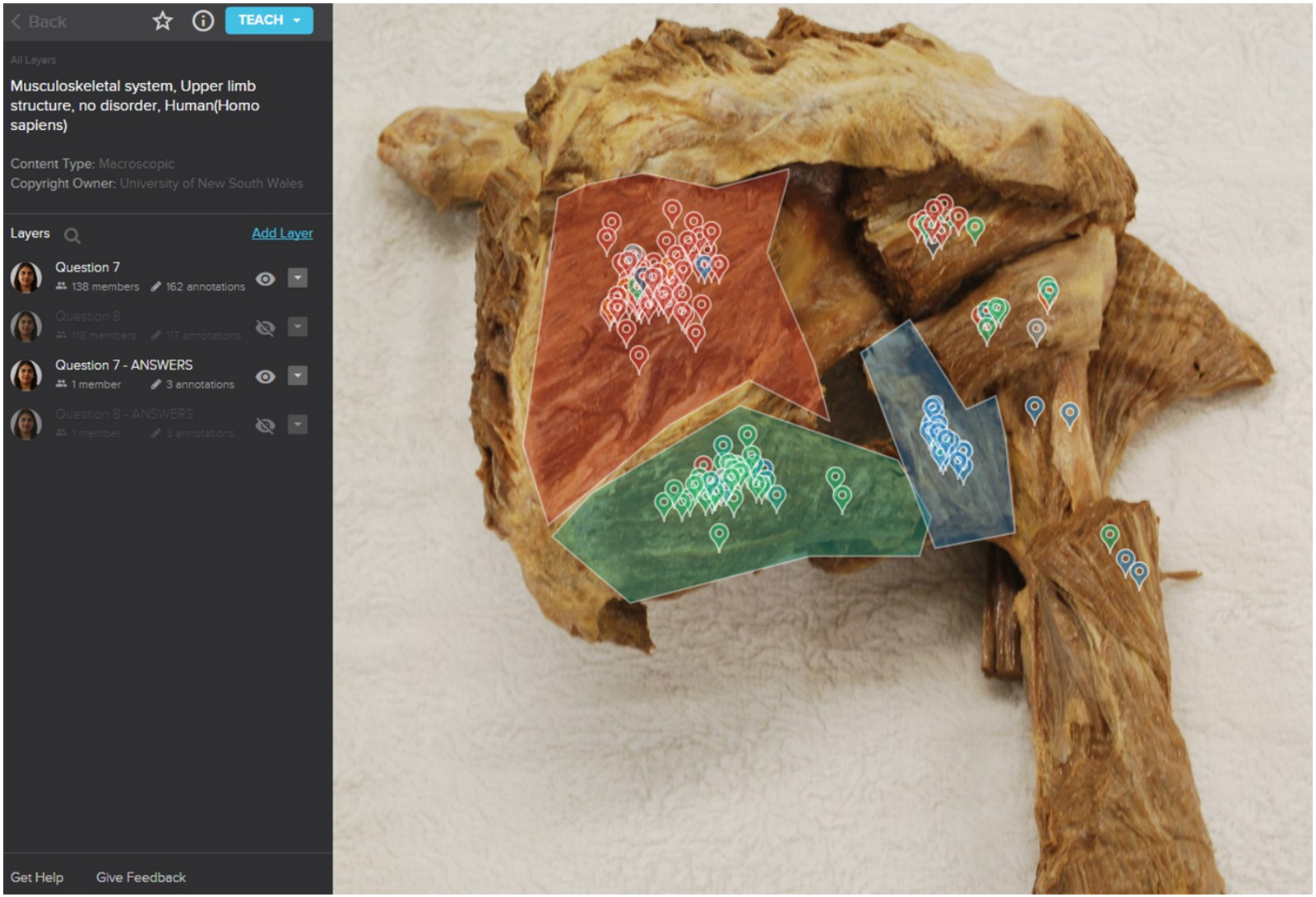
Control how they interact
e.g. anonymously





and whether people can see each others annotations

Providing feedback in anatomy lectures



Moodle:

Resources for 'Anatomy Revisited'

- Anatomy Revisited Part 1
- Anatomy Revisited Question 1
- Anatomy Revisited Question 2
- Anatomy Revisited Question 5
- Anatomy Revisited Question 6
- Anatomy Revisited Question 7
- Anatomy Revisited Question 8
- Anatomy Revisited Part 2
- Anatomy Revisited Question 15
- Anatomy Revisited Question 16
- Anatomy Revisited Question 17
- Anatomy Revisited Part 3
- Anatomy Revisited Question 21
- Anatomy Revisited Question 22
- Anatomy Revisited Part 4

50.Anatomy Revisited - The following will be opened at various times during the lecture

Part 1

Question 1, Question 2, Question 3, Question 4, Question 5, Question 6

Part 2

Question 1, Question 2, Question 3

Part 3

Question 1, Question 2

Part 4

Student feedback:

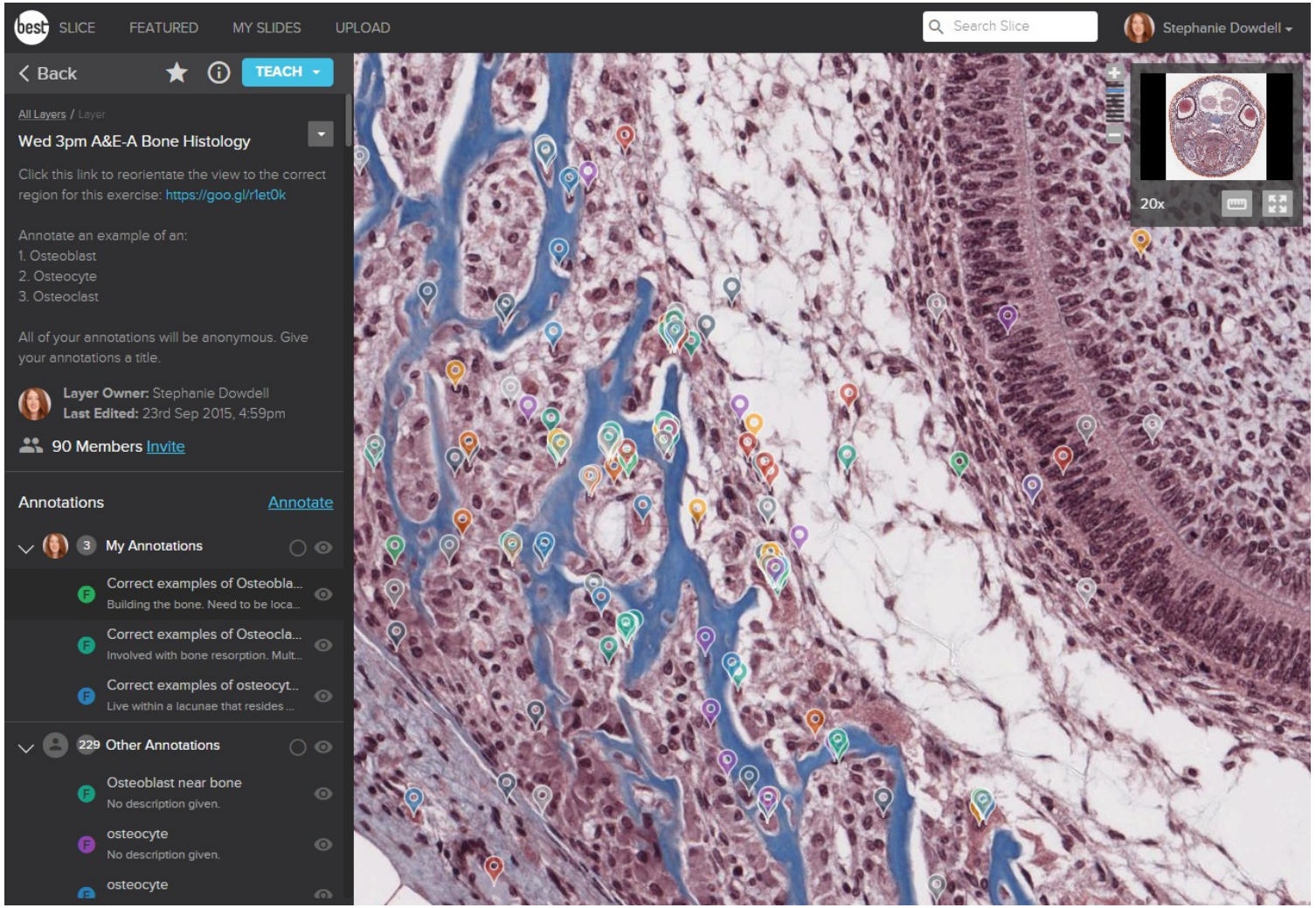
‘Interesting format… was good to see how much I knew compared to rest of the class’

‘was able to discuss with my friends but submit my own answer too'

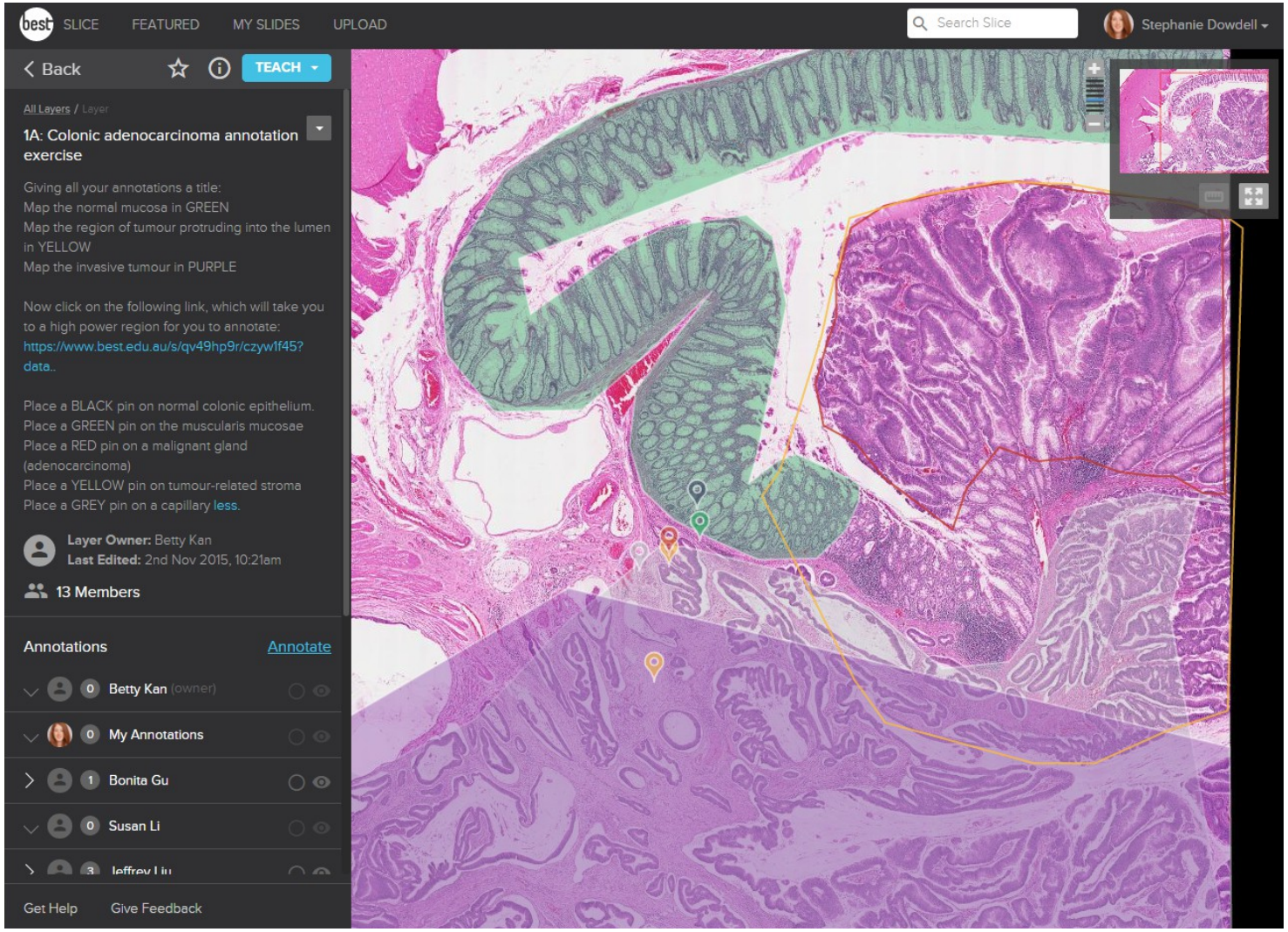
‘Really fun. Liked the feedback and they way it was staged so we only saw one link at a time’

‘these sessions should be at the end of every course'

Correcting misconceptions by gaining visibility



Facilitating group work in histopathology pracs



Future directions:

- Continued use in interactive lectures
- Formative feedback sessions
- Collaborative learning
- Self-directed learning