
Format Concepts

April 16, 2020

Concept A

Concept B

Original (headings adjusted)

General issues

- What order do we present stuff below the description in? Should we be highlighting a main call to action somehow? When there is multiple follow-up categories they are somewhat equal
- Making all the labels plural or varied plural/signular
- Not sold on including lab links vs just profiles, esp if they don't have covid info on lab site. I think we should see if there is anyhting relevant at the destination
- Using bullets for single items is kind of stretching semantic html rules but also the overall thing is a list so shurg?
-
-

Concept A - Description First

- *heading for description is tricky and I've gone with Summary for simplicity here, but maybe things could have goals or aims instead… esp when they can be broken into multiple*
- *We also tried this without the description label, it almost worked but was also a bit muddy and would have needed some styling magic to work since 2 categories of information were implied (rather than labeled)*
-

Health care is two words because reasons

Push for California to recognize pharmacists as essential front line healthcare providers

Thirteen pharmacy school deans including Dean Guglielmo co-signed a letter to Governor Gavin Newsom asking him to declare “pharmacists and licensed intern pharmacists as essential front-line healthcare providers as part of the COVID-19 emergency declaration.”

People

- Dean B. Joseph Guglielmo, PharmD

Letterx

- Pharmacy deans’ letter to Governor Newsom (pdf)

Collaborative tracking of COVID-19 treatment options

Conan MacDougal created a web document for tracking data on potential COVID-19 treatments and their outcome with patients and wrote a paper about the role of the clinical pharmacist during the COVID-19 pandemic.

People

- Conan MacDougall, PharmD, MAS, Department of Clinical Pharmacy

Document

- Use of approved therapies for treatment of n-CoViD-19 disease

Paper

- Roles of the clinical pharmacist during the COVID-19 pandemic by Conan MacDougall PharmD, MAS, and Alan E. Gross, PharmD. (Journal of the American College of Clinical Pharmacy)

Maybe Shuvo is a topic too, I like topics

New personal protective equipment (PPE)

Shuvo Roy is partnering with colleagues at UC Berkeley and supply chain teams to evaluate whether the filtration technology he’s developed for the implantable bioartificial kidney could be repurposed for COVID-19 PPE needs.

People

- Shuvo Roy, PhD (Department of Bioengineering and Therapeutic Sciences)

Related websites

- UCSF Surgical Innovations
- Roy Lab

Oxygenating blood without using mechanical ventilators

Shuvo Roy is repurposing the silicon membrane filters he has built for his implantable bioartificial kidney to oxygenate patient blood directly, instead of using mechanical ventilators to force oxygen into the lungs. This type of technology is known as extracorporeal membrane oxygenation (ECMO).

People

- Shuvo Roy, PhD (Department of Bioengineering and Therapeutic Sciences)

Related website

- Roy Lab

Testing relies on science

Using antibodies to treat infection

Jim Wells is developing new methods of testing for SARS-CoV-2 and identifying potential antibodies to treat infection.

People

- Jim Wells, PhD (Department of Pharmaceutical Chemistry)

Related website

- Wells Lab

Rapid testing

Nadav Ahituv is working on a rapid testing method for identification of the novel coronavirus.

People

- Nadav Ahituv, PhD (Department of Bioengineering and Therapeutic Sciences)

Related website

- Ahituv Lab

Student efforts and educational response

Donation drive for personal protective equipment (PPE)

Using pharmacy stores as drop-off locations and a pharmacy delivery service for pickups, students are helping Bay Area hospitals with their PPE shortages by collecting personal protective equipment.

Website

- Donate Personal Protective Equipment (PPE)

People

- Adriana Gardner, Class of 2022; Leena Dolle, Class of 2021

News

- PharmD students organize PPE drives for hospitals to fight COVID-19

Highlighting the need to consider exceptions (QBI)

Hunting for drugs to repurpose

Nevan Krogan's Quantitative Biosciences Institute (QBI) team set out to uncover the human proteins enabling the spread of the virus—and to identify existing drugs that target these human proteins, preventing the virus from hijacking them in the first place. QCRG identified nearly 70 existing drugs that meet these criteria and is testing them.

Website

- QBI Coronavirus Research Group (QCRG)

People

- Nevan Krogan, PhD (QBI Director)
- Charles S. Craik, PhD, Danica Galonić Fujimori, PhD, Jason Gestwicki, PhD, John Gross, PhD, Matthew Jacobson, PhD, Brian Shoichet, PhD, Jim Wells, PhD (Department of Pharmaceutical Chemistry)
- James Fraser, PhD, Tanja Kortemme, PhD, Andrej Sali, PhD (Department of Bioengineering and Therapeutic Sciences)

News

- Unveiling How COVID-19 Hijacks Our Cells to Help Rush New Drugs to Patients (UCSF News)

- Hunting for a cure for COVID-19: an insider's story (School of Pharmacy)

- A SARS-CoV-2-Human Protein-Protein Interaction Map Reveals Drug Targets and Potential Drug-Repurposing (bioRxiv)

Concept B

- *We also tried this without the description label, it almost worked but was also a bit muddy and would have needed some styling magic to work since 2 categories of information were implied (rather than labeled)*
- *heading for description is tricky and I've gone with Summary for simplicyty here, but maybe things could have goals or aims instead… esp when they can be broken intohave multiple*
- *I dropped the bullets for this example (from n because they don't work freat for the summary and it's a chance to see how they look dropped for everthing but we can play with that*
-

This could be a topic, yo

Push for California to recognize pharmacists as essential front-line healthcare providers

Dean B. Joseph Guglielmo, PharmD

Summary

Thirteen pharmacy school deans including Dean Guglielmo co-signed a letter to Governor Gavin Newsom asking him to declare "pharmacists and licensed intern pharmacists as essential front-line healthcare providers as part of the COVID-19 emergency declaration."

Letter

Pharmacy deans' letter to Governor Newsom (pdf)

Collaborative tracking of COVID-19 treatment options

Conan MacDougall, PharmD, MAS, Department of Clinical Pharmacy

Summary

Conan MacDougal created a web document for tracking data on potential COVID-19 treatments and their outcome with patients and wrote a paper about the role of the clinical pharmacist during the COVID-19 pandemic.

Document

Use of approved therapies for treatment of n-CoViD-19 disease

Paper

Roles of the clinical pharmacist during the COVID-19 pandemic by Conan MacDougall PharmD, MAS, and Alan E. Gross, PharmD. (Journal of the American College of Clinical Pharmacy)

Maybe this is a topic too, I like topics -compact option B1

New personal protective equipment (PPE)

Shuvo Roy, PhD, Department of Bioengineering and Therapeutic Sciences

Summary

Roy is partnering with colleagues at UC Berkeley and supply chain teams to evaluate whether the filtration technology he's developed for the implantable bioartificial kidney could be repurposed for COVID-19 PPE needs.

Related websites

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- Roy Lab

Oxygenating blood without using mechanical ventilators

Shuvo Roy, PhD, Department of Bioengineering and Therapeutic Sciences

Summary

Roy is repurposing the silicon membrane filters he has built for his implantable bioartificial kidney to oxygenate patient blood directly, instead of using mechanical ventilators to force oxygen into the lungs. This type of technology is known as extracorporeal membrane oxygenation (ECMO).

Related websites

Roy Lab

I just like topics more, sue me -options

Using antibodies to treat infection

Jim Wells, PhD, Department of Pharmaceutical Chemistry

Summary

Jim Wells is developing new methods of testing for SARS-CoV-2 and identifying potential antibodies to treat infection.

Related website

Wells Lab

Rapid testing

Nadav Ahituv, PhD (Department of Bioengineering and Therapeutic Sciences)

Summary

Nadav Ahituv is working on a rapid testing method for identification of the novel coronavirus.

Related website

Ahituv Lab

Student efforts and educational response

Donation drive for personal protective equipment (PPE)

Adriana Gardner, Class of 2022; Leena Dolle, Class of 2021

Summary

Using pharmacy stores as drop-off locations and a pharmacy delivery service for pickups, students are helping Bay Area hospitals with their PPE shortages by collecting personal protective equipment.

Website

Donate Personal Protective Equipment (PPE)

News

PharmD students organize PPE drives for hospitals to fight COVID-19

Concept B3 (QBI Full Monty)

Hunting for drugs to repurpose

Nevan Krogan, PhD (QBI Director); Charles S. Craik, PhD, Danica Galonić Fujimori, PhD, Jason Gestwicki, PhD, John Gross, PhD, Matthew Jacobson, PhD, Brian Shoichet, PhD, Jim Wells,

PhD (Department of Pharmaceutical Chemistry); James Fraser, PhD, Tanja Kortemme, PhD, Andrej Sali, PhD (Department of Bioengineering and Therapeutic Sciences)

Summary

Nevan Krogan's Quantitative Biosciences Institute (QBI) team set out to uncover the human proteins enabling the spread of the virus—and to identify existing drugs that target these human proteins, preventing the virus from hijacking them in the first place. QCRG identified nearly 70 existing drugs that meet these criteria and is testing them.

Website

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- Unveiling How COVID-19 Hijacks Our Cells to Help Rush New Drugs to Patients (UCSF News)

- Hunting for a cure for COVID-19: an insider's story
- A SARS-CoV-2-Human Protein-Protein Interaction Map Reveals Drug Targets and Potential Drug-Repurposing (bioRxiv)
- COVID-19 treatment might already exist in old drugs – we're using pieces of the coronavirus itself to find them (The Conversation)
- Scientists Identify 69 Drugs to Test Against the Coronavirus (The New York Times)
- 'Race against the clock': Scientists testing if existing drugs can fight novel coronavirus right now (ABC News)

Original (headings adjusted)

Department of Clinical Pharmacy

Push for California to recognize pharmacists as essential front-line healthcare providers

Team Leader: Joseph Guglielmo, PharmD, dean of the UCSF School of Pharmacy

- Aims: Thirteen pharmacy school deans including Guglielmo co-signed a letter to Governor Gavin Newsom asking him to declare "pharmacists and licensed intern pharmacists as essential front-line healthcare providers as part of the COVID-19 emergency declaration."
- Overview: Letter to Governor Newsom (pdf)

Collaborative tracking of COVID-19 treatment options

Team Leader: Conan MacDougal, PharmD, MAS, Department of Clinical Pharmacy

- Aims: MacDougal created a web document for tracking data on potential COVID-19 treatments and their outcome with patients and wrote a paper about the role of the clinical pharmacist during the COVID-19 pandemic.
- Overview: Use of approved therapies for treatment of n-CoViD-19 disease (Google Docs)
- See also: Roles of the clinical pharmacist during the COVID-19 pandemic by Conan MacDougall PharmD, MAS, and Alan E. Gross, PharmD. (Journal of the American College of Clinical Pharmacy)

Department of Bioengineering and Therapeutic Sciences (BTS)

New personal protective equipment (PPE)

Team Leader: Shuvo Roy, PhD, Department of Bioengineering and Therapeutic Sciences

- Aims: Roy is partnering with colleagues at UC Berkeley and supply chain teams to evaluate whether the filtration technology he's developed for the implantable bioartificial kidney could be repurposed for COVID-19 PPE needs.
- Related: Surgical innovations
- Related: Roy Lab

Oxygenating blood without using mechanical ventilators

Team Leader: Shuvo Roy, PhD, Department of Bioengineering and Therapeutic Sciences

- Aims: Roy is repurposing the silicon membrane filters he has built for his implantable bioartificial kidney to oxygenate patient blood directly, instead of using mechanical ventilators to force oxygen into the lungs. This type of technology is known as extracorporeal membrane oxygenation (ECMO).
- Related: Roy Lab

Department of Pharmaceutical Chemistry

Using antibodies to treat infection

Team Leader: Jim Wells, PhD, Department of Pharmaceutical Chemistry

- Aims: Wells is developing new methods of testing for SARS-CoV-2 and identifying potential antibodies to treat infection.
- Related: Wells Lab

Rapid testing

Team Leader: Nadav Ahituv, PhD, Department of Bioengineering and Therapeutic Sciences

- Aims: Ahituv is working on a rapid testing method for identification of the novel coronavirus.

- Related: Ahituv Lab

Student efforts and educational response

Donation drive for personal protective equipment (PPE)

Team leaders: Adriana Gardner, Class of 2022, and Leena Dolle, Class of 2021

- Aims: Using pharmacy stores as drop-off locations and a pharmacy delivery service for pickups, students are helping Bay Area hospitals with their PPE shortages by collecting personal protective equipment.
- Overview: Donate Personal Protective Equipment (PPE)
- News: PharmD students organize PPE drives for hospitals to fight COVID-19

Quantitative Biosciences Institute (QBI)

Hunting for drugs to repurpose

Team leaders: Nevan Krogan, PhD, director of QBI; Charles S. Craik, PhD, Department of Pharmaceutical Chemistry; James Fraser, PhD, Department of Bioengineering and Therapeutic Sciences; Danica Galonić Fujimori, PhD, Department of Pharmaceutical Chemistry; Jason Gestwicki, PhD, Department of Pharmaceutical Chemistry; John Gross, PhD, Department of Pharmaceutical Chemistry; Matthew Jacobson, PhD, Department chair of Pharmaceutical Chemistry; Tanja Kortemme, PhD, Department of Bioengineering and Therapeutic Sciences; Andrej Sali, PhD, Department of Bioengineering and Therapeutic Sciences; Brian Shoichet, PhD, Department of Pharmaceutical Chemistry; Jim Wells, PhD, Department of Pharmaceutical Chemistry

- Aims: Krogan's team set out to uncover the human proteins enabling the spread of the virus—and to identify existing drugs that target these human proteins, preventing the virus from hijacking them in the first place. QCRG identified nearly 70 existing drugs that meet these criteria and is testing them.
- Overview: QBI Coronavirus Research Group (QCRG)
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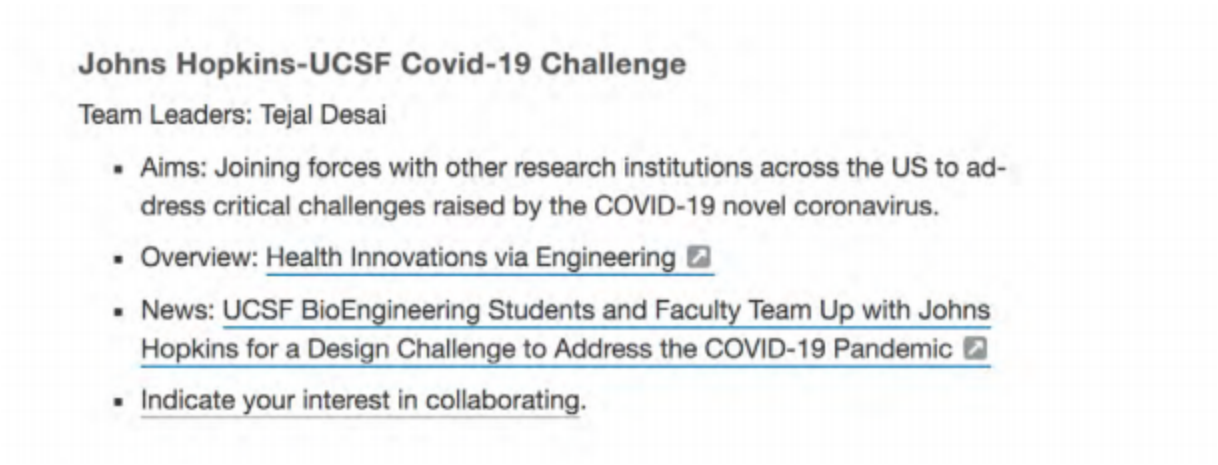
- Hunting for a cure for COVID-19: an insider's story
- A SARS-CoV-2-Human Protein-Protein Interaction Map Reveals Drug Targets and Potential Drug-Repurposing (bioRxiv)
- COVID-19 treatment might already exist in old drugs – we're using pieces of the coronavirus itself to find them (The Conversation)
- Scientists Identify 69 Drugs to Test Against the Coronavirus (The New York Times)
- 'Race against the clock': Scientists testing if existing drugs can fight novel coronavirus right now (ABC News)



Johns Hopkins-UCSF Covid-19 Challenge

Team Leaders: Tejal Desai

- Aims: Joining forces with other research institutions across the US to address critical challenges raised by the COVID-19 novel coronavirus.
- Overview: Health Innovations via Engineering
- News: UCSF BioEngineering Students and Faculty Team Up with Johns Hopkins for a Design Challenge to Address the COVID-19 Pandemic
- Indicate your interest in collaborating.

Misc

Conan MacDougall:

A month ago (gosh, it seems like a year!) I put together a Google doc meant to be a crowdsourced
resource on what was then a small list of currently FDA-approved drugs that might have utility against
COVID19 infection:
https://docs.google.com/document/d/12q8ynuyLij_qC-VOgvK5DCkQPjGwXpcDu6yXDCyNFVY/edit#heading=h.xcahw6kyjb3t It's grown to a >20+ page
document with a dozen named contributors and many others who have anonymously helped.
I also co-authored a brief letter about the role of pharmacists in COVID response to the editor in the
Journal of the American College of Clinical Pharmacy which is now published (https://accpjournals.onlinelibrary.wiley.com/doi/full/10.1002/jac5.1231) and as a podcast (https://anchor.fm/accp-jrnls/episodes/Clinical-Pharmacist-Roles-During-COVID-19--Episode-29-