

Fe Biogeochemistry TSRC Workshop, 2016!

Points of contact:

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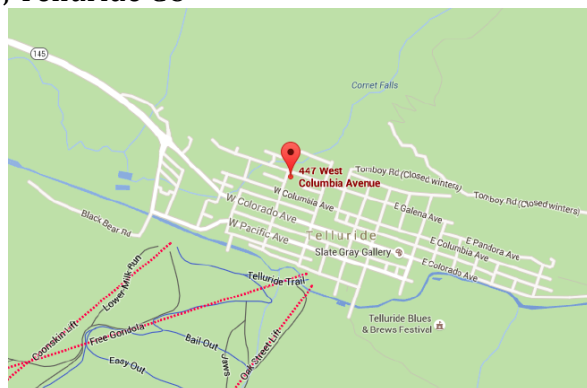
Andreas Kappler (no U.S. cell); andreas.kappler@uni-tuebingen.de

Mark Kozak, Telluride Science Research Center Director (970-708-4426)

Location of the daily meetings:

Telluride Elementary School (*note, this is different than previous years!*)

447 West Columbia Ave, Telluride CO



Schedule of Events

Monday, Aug 1

This meeting starts midday; your morning is free to explore, then please arrive for lunch!

Noon-1:00

TSRC Lunch & Welcome from A&A

1:00 – 1:45

Emerson

1:45 – 2:30

Chan

2:30 – 3:15

Gralnick

3:15 – 3:45

Coffee break

3:45 – 4:30

Gilbert

4:30 – 5:15

Kappler

5.30pm

Happy hour in Town! Dinner can evolve, families welcome.

Tuesday, Aug 2

This is the long day, please enjoy a break in the afternoon and return in the evening.

You can also attend a TOWN TALK, 6-7pm, at the Conference Center in Mountain Village.

8:00 – 8:30

Breakfast at TSRC

8:30 – 9:15

Gorski

9:15 – 10:00

Scherer

10:00 – 10:30

Coffee break

10:30 – 11:15

Neumann

11:15 – 12:00

Rosso

Afternoon free.

Return to TSRC at ~7.30pm for 2 talks after dinner.

7:30 – 8:15

Pearce

8:15 – 9:00

Muehe & Johnson (2 postdoc lightning talks!)

9.00

Impromptu social time for all those with energy, ☺

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Wednesday, Aug 3

Morning free

Noon-1:00

Lunch at TSRC

1:00 – 1:45

Diderickson

1:45 – 2:30

Templeton

2:30 – 3:00

Coffee break

3:00 – 3:45

Crowe

3:45 – 4:30

Kopf

4:30 – 5:15

Wing

6-9pm TSRC Picnic. Please bring Friends and Families!

Picnic Location is outside of the TSRC meeting site at the Elementary school.

Thursday, Aug 4

8:00 – 8:30

TSRC Breakfast

8:30 – 9:15

Benzerara

9:15 – 10:00

Fendorf

10:00 – 10:30

Coffee break

10:30 – 11:15

Borch

11:15 – 12:00

Thompson

12:00-1.00

TSRC lunch

1.00 – 1.45pm

Burgos

1.45pm

Wrap up!

Fe Biogeochemistry 2016 TSRC Talk Titles:

“Tail or no tail; some new tales about Fe-oxidizing bacteria”

David Emerson

“Kinetics, transcriptomics and biochemical approaches to understanding neutrophilic Fe oxidation”

Clara Chan

“Modern Genetic Approaches to Understand Metal Oxidizers and Reducers”

Jeff Gralnick

“How biofilms containing iron-reducing organisms respond to changing the prevailing redox conditions in microbial fuel cells”

Benjamin Gilbert

“Mechanisms and ecology of microbial iron(II) oxidation”

Andreas Kappler

“Iron oxide redox properties and their influence on reactivity”.

Chris Gorski

“Not that long ago in university not too far away, the Fe ET/exchange saga continues . . .”

Michelle Scherer

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“Electron doping of Fe-bearing clay minerals: consequences for clay mineral structure and reactivity” Anke
Neumann

“Chasing the isotopes during Fe(II)-catalyzed recrystallization of Fe(III)-(oxyhydr)oxides”.
Kevin Rosso

'Influence of radiation damage on redox reactivity and sorption capacity of Fe-bearing phyllosilicates'
Carolyn Pearce

"Influence of silica and aluminium on green rust reactivity"
Knud Diderickson

“Fe(II)-hydroxide reactivity in the deep subsurface and potential roles in microbial metabolism”
Alexis Templeton

“Photoferrotrophy and the evolution of Earth surface chemistry and life”
Sean Crowe

“Revisiting the role of iron in anoxic nitrogen transformations ”
Seb Kopf

"Isotope fractionation during Fe cycling in marine sediments: a Cryogenian case study"
Boswell Wing

“Connections between the P and Fe cycles in Lake Pavin, France”
Karim Benzerara

“The coupled iron and carbon cycle within soils and sediments.”
Scott Fendorf

“How does Fe and C protect each other?”
Thomas Borch

“Can we predict iron reduction rates across terrestrial ecosystems?”
Aaron Thompson

“Biogeochemistry of the co-precipitation of iron and aluminum at low pH”
Bill Burgos

Postdoc lightning talks

“How iron cycling in the rhizosphere affects toxic metal uptake in plants”
Marie Muehe

“Rock record, experimental, and field-analogue investigations of banded iron formation iron silicates”
Jena Johnson