00:00:02:06 - 00:00:03:16

Hello and welcome.

00:00:03:16 - 00:00:04:20

I'm Lilly and you're

00:00:04:20 - 00:00:08:15

listening to Microbe Talk, the podcast

by the Microbiology Society.

00:00:08:16 - 00:00:12:12

For this episode,

I spoke to Rob Moran and Greg McCallum,

00:00:12:12 - 00:00:15:22

authors of a recent paper

published in Microbial Genomics,

00:00:15:22 - 00:00:19:15

describing a novel species called Correa

Reserve filler.

00:00:19:23 - 00:00:23:23

What's unusual about how this team

came across this new bacteria

00:00:23:23 - 00:00:26:16

is that it

started off as an unwanted contaminant,

00:00:26:16 - 00:00:30:08

a contaminant that looked very similar

to a packet of instant noodles

00:00:30:08 - 00:00:34:06

that intrude a strain, gained

the name Noodle Caucus and inspired

00:00:34:06 - 00:00:38:04

the authors to start a group called

Contamination Club through social media.

00:00:38:07 - 00:00:41:16

I caught up with them to talk

about publishing their work, the online

00:00:41:16 - 00:00:44:23

community that they've built

and what's next for the Correa genus.

00:00:53:08 - 00:00:55:00

Hi Rob and Greg.

00:00:55:00 - 00:00:56:19

Thank you for joining me today.

00:00:56:19 - 00:00:58:23

Could you start by introducing yourselves?

00:00:59:24 - 00:01:00:15

Yeah.

00:01:00:15 - 00:01:05:01

Hi, I'm Rob, I'm working currently

at the University of Sydney, in Australia.

00:01:05:18 - 00:01:08:02

Formerly of the University of Birmingham

in the UK,

00:01:08:02 - 00:01:11:02

where the work we're going to talk about

today was done.

00:01:11:06 - 00:01:13:20

And yeah,

I work on mobile genetic elements

00:01:13:20 - 00:01:16:20

primarily mostly

in the context of antibiotic resistance.

00:01:17:13 - 00:01:21:16

Hi. I'm Greg, I'm

a postdoc at the University of Liverpool.

00:01:22:18 - 00:01:25:18
Work on antibiotic resistance
in microbiomes.

00:01:26:04 - 00:01:26:24
And I did my PhD

00:01:26:24 - 00:01:29:23
at University of Birmingham,
which is where I met and worked with Rob.

00:01:29:23 - 00:01:30:13
Great.

00:01:30:13 - 00:01:33:24
I'd really like to know
where this kind of journey all started.

00:01:34:09 - 00:01:37:09
What were you guys working on
when you found

00:01:37:15 - 00:01:41:09
the contaminant
that led to all of this happening?

00:01:42:01 - 00:01:42:09

Yeah.

00:01:42:09 - 00:01:44:16

I was working at the beginning

of my postdoc

00:01:44:16 - 00:01:48:06

in Birmingham

on a little project on Enterococcus DCM,

00:01:48:21 - 00:01:53:01

which is Dylan, who was our boss at the

time, his favorite organism.

00:01:54:02 - 00:01:56:04

And I was, yeah, doing some experiments,

00:01:56:04 - 00:01:59:04

tracking the movement of resistance genes

in that organism.

00:01:59:13 - 00:02:01:15

And. Yeah, it was small place.

00:02:01:15 - 00:02:04:18

I left for ten days

or so from an old experiment.

00:02:05:13 - 00:02:09:17

And it was on one of those that new

the caucus supposed to be awesome.

00:02:09:24 - 00:02:12:12

And the name comes

from its appearance, right?

00:02:12:12 - 00:02:14:03

That it kind of looks like noodles.

00:02:14:03 - 00:02:17:04

When I first read that,

I was like, okay, sure.

00:02:17:04 - 00:02:20:20

But looking at it,

it really does look like instant noodles.

00:02:21:06 - 00:02:23:16

Yeah, it was very striking.

00:02:23:16 - 00:02:26:04

Did you did you think of that immediately,

00:02:26:04 - 00:02:29:04

or did you take some time to

to think about it?

00:02:29:06 - 00:02:31:09

Yeah, I think we did.

00:02:31:09 - 00:02:32:07

It was.

00:02:32:07 - 00:02:35:07

Yeah, quite striking as soon as we saw it.

00:02:36:10 - 00:02:39:00

Probably

we all agreed that it was noodles.

00:02:39:00 - 00:02:39:16

There was no,

00:02:41:07 - 00:02:43:22

alternative.

00:02:43:22 - 00:02:44:03

Yeah.

00:02:44:03 - 00:02:47:05

I don't actually remember

who came up with the name,

00:02:47:09 - 00:02:50:09
but it was definitely very soon
after we spotted it. And,

00:02:51:14 - 00:02:53:04
we just wanted to know what it was.

00:02:53:04 - 00:02:56:04
So we I think I tweeted it,

00:02:57:05 - 00:03:00:03
and immediately
everyone loved the name and how it looked.

00:03:00:03 - 00:03:04:17
So it sort of went semi
viral academic Twitter at the time,

00:03:06:03 - 00:03:08:09
and got a lot of attention.

00:03:08:09 - 00:03:11:19
And then other people were coming up
with ideas of what it could be and,

00:03:12:15 - 00:03:15:00
other similar contaminants
that they had seen in the past.

00:03:15:00 - 00:03:18:03

So it started off already kind of

00:03:18:03 - 00:03:21:03

as a collaborative effort on social media.

00:03:21:24 - 00:03:23:24

Yeah.

00:03:23:24 - 00:03:27:21

As soon as we saw how many people

were showing us other cool contaminants

00:03:27:21 - 00:03:31:13

they'd got, we realized that there was

something quite interesting about this.

00:03:31:13 - 00:03:34:24

And we we wanted to know more about this

and, and update people.

00:03:35:04 - 00:03:36:16

It was mainly at the beginning.

00:03:36:16 - 00:03:40:11

We wanted to update people on Twitter

of what this, this contaminant was.

00:03:41:14 - 00:03:42:02

And because

00:03:42:02 - 00:03:45:21

it got so much attention,

we decided to create a contamination club,

00:03:47:05 - 00:03:49:24

an account

that shared people's contaminants

00:03:49:24 - 00:03:52:21

to try and find out what they were.

00:03:52:21 - 00:03:55:20

And that immediately took off.

00:03:55:20 - 00:03:57:18

So we just wanted to keep digging

00:03:57:18 - 00:04:00:18

deeper on what this need to focus was.

00:04:00:19 - 00:04:01:10

Awesome.

00:04:01:10 - 00:04:04:21

Could you summarize briefly
what you found in this paper?

00:04:06:01 - 00:04:06:22
Yeah.

00:04:06:22 - 00:04:10:09
So first of all, we we found
what needs to focus is,

00:04:11:01 - 00:04:15:19
so we found, first off, that it's, species
in a genus called Korea.

00:04:16:10 - 00:04:18:09
The species is rise up a lot.

00:04:18:09 - 00:04:20:09
So that was the first finding.

00:04:20:09 - 00:04:23:09
And from there, we wanted to look into

00:04:23:21 - 00:04:26:05
what else was known
about the career as of late.

00:04:26:05 - 00:04:27:02

But we actually expanded

00:04:27:02 - 00:04:30:21
into the entire genus because they just
aren't very many of those genomes

00:04:30:24 - 00:04:31:23
in the public domain.

00:04:32:23 - 00:04:35:19
But we
did focus particularly on career, myself

00:04:35:19 - 00:04:38:22
and all that because, noodle look,
Hopkins is part of that species.

00:04:38:22 - 00:04:42:19
But because we noticed
that there was more diversity

00:04:42:19 - 00:04:46:04
within Korea
as a flower than would be expected.

00:04:46:05 - 00:04:49:05
In fact, it was so diverse that,

00:04:50:11 - 00:04:53:22
sufficient clades to constitute
two different species.

00:04:55:06 - 00:04:58:06
So we were quite surprised by that.

00:04:58:20 - 00:05:02:00
And as we delve further
into the literature around it,

00:05:02:00 - 00:05:05:23
we learned that actually that's generated
quite a bit of confusion.

00:05:07:08 - 00:05:10:08
That is relevant to industrial settings
and potentially in,

00:05:10:14 - 00:05:14:06
you know, human health settings as well,
where these organisms used as controls.

00:05:15:19 - 00:05:18:12
Often interchangeably and with

00:05:18:12 - 00:05:23:16
sometimes a genome of one type and,

a strain of another type,

00:05:24:10 - 00:05:27:10

which can be quite, problematic.

00:05:27:12 - 00:05:30:01

In terms of results. So,

00:05:31:20 - 00:05:34:02

yeah, that that was the primary finding.

00:05:34:02 - 00:05:35:05

I suppose.

00:05:35:05 - 00:05:38:13

Within that, we also delved

into the carcasses own genome.

00:05:39:12 - 00:05:43:07

We found various elements of the genome

that help it function as an organism.

00:05:44:02 - 00:05:48:03

In terms of how it replicates, in terms of

how it defends itself from incoming DNA.

00:05:48:12 - 00:05:51:06

And we found some mobile elements,

in the form of insertion

00:05:51:06 - 00:05:55:13

sequences that, hop around inside

before your eyes off of the genomes.

00:05:55:15 - 00:05:57:00

Yeah. Amazing.

00:05:57:00 - 00:06:00:00

And did you kind of already have

00:06:00:06 - 00:06:03:06

a community of other scientists

before on Twitter?

00:06:03:06 - 00:06:08:12

Did you had you used it for other things,

or was this kind of a surprising.

00:06:08:18 - 00:06:09:03

Yeah.

00:06:09:03 - 00:06:11:20

We hadn't

we hadn't really got like a big following.

00:06:11:20 - 00:06:16:19

I guess we just we had like academic Twitter accounts where we tweet about science.

00:06:18:24 - 00:06:21:00

I think back then it was quite popular

00:06:21:00 - 00:06:24:17

in, in science

to, to to communicate on Twitter.

00:06:25:20 - 00:06:28:13

Let's say nowadays I think, but,

00:06:28:13 - 00:06:31:08

the yeah, we didn't have a particular

00:06:31:08 - 00:06:35:11

big following, but this tweet about neatly

pockets had gained attention.

00:06:35:11 - 00:06:38:00

So it just basically all came from that.

00:06:38:00 - 00:06:40:22

Amazing. What has it been like since then?

00:06:40:22 - 00:06:45:02

Could you remind me

when the when did that first tweet happen?

00:06:45:09 - 00:06:48:13

And since then,

what has that journey been like?

00:06:49:13 - 00:06:52:13

It was first in 2019.

00:06:52:20 - 00:06:54:10

And then yeah,

00:06:54:10 - 00:06:57:10

a week later we created Content Club.

00:06:57:15 - 00:07:00:12

And it's sort of grown since then.

00:07:00:12 - 00:07:01:18

I think, it's peak.

00:07:01:18 - 00:07:04:01

We got to 12,000 followers.

00:07:04:01 - 00:07:07:14

So, it did get quite, a lot of attention.

00:07:07:14 - 00:07:08:19

And we've made, like,

00:07:08:19 - 00:07:12:04

yearly calendars of the best contaminants

that have been submitted.

00:07:12:14 - 00:07:15:17

We've had socks, and stickers

and badges and,

00:07:16:01 - 00:07:19:01

yeah, at conferences,

people always want much.

00:07:19:02 - 00:07:20:08

So it is a,

00:07:21:24 - 00:07:24:24

a fairly known thing in microbiology.

00:07:24:24 - 00:07:27:21

This content clip

say it has been very fun.

00:07:27:21 - 00:07:29:10

Running it.

00:07:29:10 - 00:07:31:11

And just really interesting to see

00:07:31:11 - 00:07:34:15

all sorts of contaminants

people get at home and in the lab.

00:07:35:03 - 00:07:35:22

Yeah, definitely.

00:07:35:22 - 00:07:39:17

Just going through your page is so much

engagement is really great to see.

00:07:40:23 - 00:07:45:21

And you must see a lot of the discussions

that happens and all of the photos.

00:07:46:04 - 00:07:49:04

What's your favorite thing

that you've seen?

00:07:49:14 - 00:07:52:00

I think.

00:07:52:00 - 00:07:54:14

Other other than the noodles, obviously.

00:07:54:14 - 00:08:00:00

In terms of contaminants,

I always like ones where some sort of bug

00:08:00:00 - 00:08:03:00

or mite is caught across the plate

and you get little footprints.

00:08:03:08 - 00:08:04:24

I think that's really nice.

00:08:04:24 - 00:08:07:05

But I guess my my favorite

00:08:07:05 - 00:08:11:03

thing, my favorite tweet that we've

received is actually someone saying how

00:08:11:16 - 00:08:15:17

Contact Club has made contamination

for them be a positive event

00:08:15:17 - 00:08:18:24

rather than a negative, because it's

always going to ruin your experiment.

00:08:19:18 - 00:08:24:03

Which isn't a great feeling,

but they say instead of feeding failure,

00:08:24:20 - 00:08:27:20

or sad, they get excited that they can now

share it,

00:08:28:09 - 00:08:31:19

with the rest of the community,

and have some fun with it.

00:08:31:19 - 00:08:33:03

Instead.

00:08:33:03 - 00:08:34:04

That's so nice.

00:08:34:04 - 00:08:37:13

So there's a real philosophical lesson

to be learned here

00:08:37:13 - 00:08:40:13

that not every mistake is a, a failure.

00:08:40:24 - 00:08:42:15

Yeah, definitely. I think it also,

00:08:43:19 - 00:08:44:24

reminds people of just the

00:08:44:24 - 00:08:47:24

kind of wonder that gets them into this
field in the first place.

00:08:48:00 - 00:08:50:09
Seeing something where you have no idea

00:08:50:09 - 00:08:53:13
what has made the structure
or what has made the shape.

00:08:54:03 - 00:08:56:21
And just wanting to look deeper into it
is something

00:08:56:21 - 00:08:59:20
that probably everyone
can relate to that works in our field.

00:08:59:20 - 00:09:02:07
And it's just a reminder of that
that can pop up on,

00:09:02:07 - 00:09:05:07
you know, irregular
or regular basis in the lab.

00:09:05:16 - 00:09:07:03
Yeah, definitely.

00:09:07:03 - 00:09:11:03
What interests me here is, you know,
I think a lot of people don't well,

00:09:11:03 - 00:09:15:15
maybe microbiologist do, but a lot of
people outside may not be that familiar.

00:09:15:21 - 00:09:20:22
And this is a really nice visual way,
a kind of easier way for people

00:09:20:22 - 00:09:25:10
to see something, be interested in it,
maybe read a little bit more.

00:09:25:21 - 00:09:27:06
And I was wondering whether you guys

00:09:28:10 - 00:09:29:22
had any kind of

00:09:29:22 - 00:09:33:04
interest or had done public engagement
before in that way,

00:09:33:04 - 00:09:36:18

or is this something

that's come out of this spontaneous event?

00:09:37:15 - 00:09:41:01

Yeah, we've, we've both done

some public engagement with it.

00:09:41:23 - 00:09:44:22

I've done a few recent ones where we've,

00:09:44:22 - 00:09:47:22

made, like, postcards

with some cool contaminants.

00:09:47:22 - 00:09:49:11

It's really interesting.

00:09:49:11 - 00:09:50:16

I always think

00:09:50:16 - 00:09:54:24

it's hard to explain the concept

of a contaminant to members of the public,

00:09:55:00 - 00:10:00:09

because it's very much a lab based thing,

like, we're meant to be growing bacteria.

00:10:00:09 - 00:10:04:15
So even though it's quite simple concept
for my exposure to understand

00:10:05:11 - 00:10:07:21
the idea of a contaminant
isn't that straightforward.

00:10:07:21 - 00:10:12:14
But so it's sometimes hard to come across
why it's exciting.

00:10:12:14 - 00:10:17:10
But the main thing is just the beauty of
microbiology, and it really gets people.

00:10:17:18 - 00:10:21:08
They're always saying, oh, I didn't know
bacteria could look so beautiful

00:10:21:08 - 00:10:24:02
or fungi could look so cool.

00:10:24:02 - 00:10:26:21
And it definitely gets people interested.

00:10:26:21 - 00:10:28:03
Kids really like it as well.

00:10:28:03 - 00:10:30:19

Just seeing how cool something can look.

00:10:31:23 - 00:10:32:12

And now.

00:10:32:12 - 00:10:35:22

Yeah, I have to show you cool contaminants

we've received.

00:10:35:22 - 00:10:40:01

But I also just get some random plates

and gross stuff from outside.

00:10:40:01 - 00:10:42:14

I'm just showing how,

00:10:42:14 - 00:10:44:24

cool bacteria can look,

because most people don't realize.

00:10:44:24 - 00:10:47:10

They just think

they're these invisible things

00:10:47:10 - 00:10:49:18

that we look at under the microscope.

Yeah.

00:10:49:18 - 00:10:53:01
I guess back in the Birmingham days,
we attended a couple of times

00:10:53:01 - 00:10:56:01
a festival called Calico Mad,
which was just,

00:10:56:22 - 00:10:59:24
Friends of Culture as part of the school
where we set up a school.

00:11:00:11 - 00:11:03:06
Actually, Dylan was the one who had us
get started with that.

00:11:03:06 - 00:11:06:06
I think that was maybe in 2019.

00:11:06:20 - 00:11:08:03
And we didn't have a new laptop.

00:11:08:03 - 00:11:09:20
It's the first time,
but the second time, obviously,

00:11:09:20 - 00:11:12:21
we had some nice pictures to show
when we could get kids

00:11:13:09 - 00:11:15:00
touching the hands on plates. And,

00:11:16:01 - 00:11:17:05
we would then take them back to the lab

00:11:17:05 - 00:11:20:05
and incubate them
and upload pictures to people to see.

00:11:20:08 - 00:11:23:08
It all came back to that same kind
of concept that Greg was getting out.

00:11:23:08 - 00:11:26:11
It adds a visual, aspect to it all.

00:11:27:17 - 00:11:31:03
Something that looks much more interesting
than a microscope slide, for example.

00:11:32:15 - 00:11:35:14
The idea of an invisible organism.

00:11:35:14 - 00:11:37:05

Yeah, definitely.

00:11:37:05 - 00:11:42:02

And obviously, both of you have gone on

to do other things since then.

00:11:42:21 - 00:11:46:09

But how does it feel to have that paper

finally published?

00:11:46:10 - 00:11:48:01

Yeah, it's a relief.

00:11:48:01 - 00:11:51:01

It's, surreal in a way.

00:11:51:18 - 00:11:54:18

It's been a very fun exercise.

00:11:54:18 - 00:11:57:18

But at the same time, it's been hard work,

like all manuscripts.

00:11:58:24 - 00:12:01:10

So it's it's been really rewarding,

00:12:01:10 - 00:12:03:16

and it's really nice to have it

actually out in the public domain.

00:12:03:16 - 00:12:06:18

Now, because we

probably from quite early on,

00:12:07:17 - 00:12:10:17

sort of

dreamt of publishing something on it.

00:12:10:23 - 00:12:14:01

So now it's actually realize that and know

00:12:14:01 - 00:12:17:01

that it's out there

sitting there for people to rate is.

00:12:17:03 - 00:12:17:13

Yeah.

00:12:17:13 - 00:12:20:10

Really rewarding I think is appealing.

00:12:20:10 - 00:12:23:18

And, this is a good opportunity

to thank all of our coauthors

00:12:23:18 - 00:12:26:18

because everybody contributed

to getting this manuscript published.

00:12:27:07 - 00:12:29:06

Particularly Stan,

who's a co-first author.

00:12:29:06 - 00:12:32:06

He was there when we first

founded the caucus, along with Ross.

00:12:33:06 - 00:12:37:10

And he's played a huge role

in, getting the manuscript over the line.

00:12:37:19 - 00:12:40:04

Yeah. So it it took.

00:12:40:04 - 00:12:42:03

Yeah,

it was five years since we discovered it

00:12:42:03 - 00:12:43:14

till we finally published. But.

00:12:43:14 - 00:12:48:13

Yeah, because we've got separate jobs

where we're doing our own research,

00:12:49:05 - 00:12:52:01

and completely separate topics.

00:12:52:01 - 00:12:54:04

Compared to nuclear caucus.

00:12:54:04 - 00:12:56:15

It's always been a side project

for all of us.

00:12:56:15 - 00:12:58:10

That we've just been doing little bits of,

00:13:00:07 - 00:13:02:07

But, yeah, it's been great.

00:13:02:07 - 00:13:04:10

We just decided in the last year

00:13:04:10 - 00:13:07:10

or so, like,

let's actually just get this finished.

00:13:07:13 - 00:13:09:22

And we sort of did,

00:13:09:22 - 00:13:13:02
reanalyzed all the previous stuff
that we'd, we've done and,

00:13:13:07 - 00:13:16:11
I think it's ended up really nice
and some very good science.

00:13:16:18 - 00:13:17:01
Yeah.

00:13:17:01 - 00:13:19:23
I think it's, it's
kind of surprised us as well.

00:13:19:23 - 00:13:23:10
Some of the things that we found,
we wouldn't have guessed back in 2019

00:13:23:10 - 00:13:26:10
that we would have done some of the things
that we ended up doing with this data.

00:13:27:01 - 00:13:29:22
We've been able to bring extra people
into the story and, like,

00:13:29:22 - 00:13:34:13

contribute their expertise, to, to build

a much nicer picture overall as well.

00:13:35:13 - 00:13:38:01

So, yeah, it's really nice

00:13:38:01 - 00:13:41:10

as a scientific endeavor

that has come out the way it has as well.

00:13:41:15 - 00:13:42:09

That's really lovely.

00:13:42:09 - 00:13:46:19

And have them people

that have come into it kind of known

00:13:46:19 - 00:13:49:20

this other side

to the research of the Twitter.

00:13:50:14 - 00:13:52:14

I think people have sort of,

00:13:52:14 - 00:13:55:08

certainly people

who work in our department at the time.

00:13:55:08 - 00:13:57:20
We're probably maybe sick of us
running around talking about it.

00:13:57:20 - 00:13:58:23
So they did hear about it.

00:13:58:23 - 00:14:03:05
Others, became involved after having heard
about it online, for example, or,

00:14:03:17 - 00:14:04:16
you know, later down the line.

00:14:04:16 - 00:14:05:10
So I think they

00:14:05:10 - 00:14:08:15
they've always been aware
that this has the extra side of the story.

00:14:08:17 - 00:14:14:04
Do you do you ever feel like you're famous
within the microbiology society and

00:14:14:09 - 00:14:18:19
people reacting like, oh my God, you're
you're the people running this account.

00:14:18:20 - 00:14:20:17

Yeah, quite often at conferences.

00:14:20:17 - 00:14:22:18

Like they don't necessarily know us.

00:14:22:18 - 00:14:24:15

But once they find out

the way comes and clip

00:14:24:15 - 00:14:26:10

that it's always,

oh, my God, your hometown club.

00:14:27:14 - 00:14:29:12

And everyone's always excited.

00:14:29:12 - 00:14:32:12

And some people have said

they're starstruck and,

00:14:33:00 - 00:14:35:22

how they how much they love that template

and they can't believe

00:14:35:22 - 00:14:37:17

they've met the people behind it.

00:14:37:17 - 00:14:39:20

So yeah, it is always fun.

00:14:39:20 - 00:14:41:07

Bring that out at conferences.

00:14:41:07 - 00:14:41:24

Definitely.

00:14:41:24 - 00:14:44:23

I mean, I probably wouldn't

shut up about it either.

00:14:44:23 - 00:14:46:02

So fair enough.

00:14:46:02 - 00:14:50:04

And with the work

that, you guys are working on now,

00:14:50:04 - 00:14:53:09

I know that it's different,

but what is next for Noodle Caucus?

00:14:53:10 - 00:14:56:10

We have got some ideas for some,

future studies

00:14:56:10 - 00:14:59:10

with sort of a mini cookery group now.

00:14:59:17 - 00:15:01:17

After,

00:15:01:17 - 00:15:02:22

finding out that need the caucus.

00:15:02:22 - 00:15:05:22

Is this, in the cookery genius?

00:15:07:02 - 00:15:08:11

I think,

00:15:08:11 - 00:15:11:12

we've got some ideas

for maybe a couple of follow up papers.

00:15:12:09 - 00:15:14:22

Because we we potentially found

00:15:14:22 - 00:15:18:09

some interesting things

about some mobile elements, in the genus.

00:15:18:09 - 00:15:20:14

And maybe Rob can expand.

00:15:22:21 - 00:15:23:04

Yeah.

00:15:23:04 - 00:15:26:16

So I think on the mobile element front,

we we touched on it in this paper.

00:15:26:16 - 00:15:29:16

So we found some new insertion sequences

into the caucus genome.

00:15:29:16 - 00:15:32:08

And I'd characterize those,

00:15:32:08 - 00:15:35:00

but I think maybe if there was any one

slight disappointment

00:15:35:00 - 00:15:38:15

to the whole story for us was

when we sequenced noodle caucuses genome,

00:15:39:05 - 00:15:40:08

there were no plasmids in there.

00:15:40:08 - 00:15:43:08

And we were all plasmid fans.

00:15:43:16 - 00:15:45:17
We I think we even preemptively had names

00:15:45:17 - 00:15:47:22
that were all noodle related
for the past as well.

00:15:47:22 - 00:15:51:10
Like there was going to be a p udon
or a p ramen or a p Dan Dan.

00:15:52:12 - 00:15:55:12
But in the end
it didn't have any plasmids, so

00:15:55:21 - 00:15:59:20
we are keen to look into plasmids
in the rest of the genus.

00:16:01:04 - 00:16:04:15
And yeah, I think hopefully that will come
together in the next year or so.

00:16:05:09 - 00:16:07:22
Hopefully won't take
as long as the first paper.

00:16:07:22 - 00:16:09:24

Because there's some really interesting

things people can do there.

00:16:09:24 - 00:16:14:16

It's, such a, it's an organism

that hasn't been studied.

00:16:15:04 - 00:16:18:04

The extent to some of the other organisms

that suddenly we work on.

00:16:18:10 - 00:16:22:01

So there's a lot of room

to, to move into there and learn.

00:16:22:12 - 00:16:25:08

And also we in the paper we showed the,

00:16:26:16 - 00:16:27:20

carrier rise of LA

00:16:27:20 - 00:16:30:20

is is actually two separate species,

00:16:30:20 - 00:16:33:20

and should be classified

into two separate species.

00:16:33:20 - 00:16:36:20

And we suggested a name, for the,

00:16:37:08 - 00:16:40:03

well, we called it see the rise of LA

in the paper and invertebrate.

00:16:40:03 - 00:16:43:03

We suggested

it could be called Courier and alii,

00:16:43:07 - 00:16:46:00

after the person that discovered the,

00:16:46:00 - 00:16:48:21

first strain in that clade.

00:16:48:21 - 00:16:51:21

And I think it would be nice to maybe,

00:16:52:02 - 00:16:54:19

try and get that ballot published.

00:16:54:19 - 00:16:56:23

Let's get it officially named that.

00:16:56:23 - 00:16:59:23
So that's another, small
follow up that we might do.

00:17:00:09 - 00:17:03:03
Well, you guys have really taken
this opportunity

00:17:03:03 - 00:17:06:20
to come together, make something
really nice with the microbiology.

00:17:07:05 - 00:17:09:20
Which seems like something
you will continue

00:17:09:20 - 00:17:14:00
both on the research side and on the kind
of public social media side.

00:17:14:06 - 00:17:17:17
Thank you for coming on to my group
talk today.

00:17:17:17 - 00:17:21:02
And, congratulations again on your paper.

00:17:21:06 - 00:17:23:07

Thank you. No worries.

Thank you very much for having us.

00:17:27:18 - 00:17:30:02

You have been listening to my group talk.

00:17:30:02 - 00:17:33:17

Please give us a like or share

and we'll catch you in the next episode.