Creating and Delivering a Winning Poster

Dr. Robert M. Ramirez rramirez@sfsu.edu Associate Dean, College of Science & Engineering

Purpose of a poster.

To communicate/publicize your information to others

- Research or experimental results.
- Report a study.
- Outcome of a project.
- The characteristics of your organization.
- Clear & Effective

Presenter must be

- Knowledgeable
- Enthusiastic

Purpose of a poster

- Communicate or publicize your research to others.
- Short, concise, but complete "story."

Describes ...

- ... The question that is asked <u>or</u> the "gap" in our knowledge.
- ... the means by which you addressed this.
- ... your results that must "persuade" us.
- ... your conclusion & why it is significant.

Vertical or "portrait"

Three problems of speciation via unidirectional CI ... and why it might still happen

Matthias Flor¹, Arndt Telschow^{1,2}, Yutaka Kobayashi², Jack Werren³, Peter Hammerstein¹ Institute for Theoretical Biology, Humboldt University, Berlin, Germany; 2 Center for Ecological Research, Kyoto University, Kyoto, Japan; Department of Biology, University of Rochester, New York, USA

Introduction

If infected and uninfected host populations occur parapatrically, unidirecnal cytoplasmic incompatibility (CT) constitutes a postmating isolation barrier between the populations. However, in order for CI to promote speciation, three problems must be overcome: (1) the infection polymorphism of neighbouring host populations must be stable, (2) gone flow must not eliminate differences between diverging populations, and (3) ranaway selection of female mating preference and male trait must be avoided to establish recnuting isolation. We investigate these issues theoretically in a two-popula-

Reinforcement model

Servedio (2000) developed a two-population model for reinforceme sed on maclear incompatibilities (NE). She showed that a male trait under local selection can be used as a cue for female muting prefer-

ence which spreads under certain parafire. I. this model is lepicted with NI re-

1 Stability of CI patterns

nent for a reinforcement pro

cess to take place is that the postrygotic isolation barrier between populations be stable in

Following previous modeling efforts of Wolbuchia dynamics (e.g. Fine, 1978), we use iency, r, and the level of cytoplasmic incom putibility, L., A complete description of the odel can be found in Flor et al. (2007) or Telschow et al. (2008). In a two-population scenario, the stability of an infection polynorphism between an uninfected population A and an infected population B (see fig. 1) can then be described by critical migration rores. Such a CI pattern is stable if CI is trong enough, l_{c1}>4r(1-t), and if the miration rates are below asymmetrical critic d thresholds:



E.g. if I_{cs}=0.9 and t=0.87 (values from Jacnike et al., 2006), then m, \$0.006 and m_a\$0.148. Thus, parameter regions exist where putchy infection patterns are stable

2 Gene flow reduction

Does a stable CI pattern allow genetic divernce between bost romelations? Telschow et . (2002) introduced the effective migration as a measure of gene flow at weakly sected loci. For a mainland-island population ructure (i.e. migration only in one direction the effective migration rate can be determined by considering the matriline of migrants which transmit the Wolbuchia infection). For all migration rates, this approach can also applied to the two-population scenario con idered here. Gene flow reduction is symmetric because in one direction (infected + infected population) only the male half of the microsty' matriline suffers from CI where as in the other direction (uninfected + infecd population) it is only the female half that rys the cost of CL Telschow et al. (2008) monstrated that in this case the effective mi gration can be approximated by

$$m_{\rm eff} \approx m \frac{2-I_{\rm Cl}-I}{2-I}$$

E.g. if l_{cs} =0.9 and s=0.87 then gene flow is n duced by 80%. This enables better local adaptation and in turn stronger reinforcement than a comparable scenario where CI is absent hie to either Wollhochia extraction or opposi-

Runaway selection

Previous models have revealed that the spre of a female muting preference can offset the fection disadvantage of the preferred trait is infected population (unpublished data). Thus, divergence at the trait and preference loci and hence premating isolation cannot



males -e.g. because of lost time or an increased risk of predation due to the rejection of unwanted males-then this runaway selection process is prevented, and premating isola tion is established (fig. 2b). Preliminary outer simulations of our model suggest that this occurs under a broad range of para-

Conclusions & Outlook

Our model shows that stable unidirectional CI may suffice to start reinforcement processes if female mating preference involves a cost. However, because critical migration rates will often be rather low, it seems likely that Wolhachia most efficiently promotes speciation in combination with other postrygotic isolation barriers that increase the stability of CL natterns.

Jaenike et al. (2006) found asymmetric muting preferences in a system of two closely related Decouphile species one infected with Wolbachia, the other one uninfec-

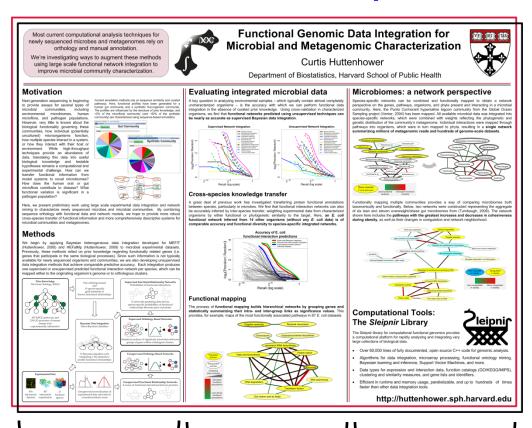
ted-that hybridize in nature (fig. 3). We want to further study the role that Wolbuchia-induced unidirectional cyto-

lasmic incomputability plays in host speciation by extending our model to incorporate both igraphic characteristics and the hybrid male sterility present in this real system



Types of Posters

Horizontal or "Landscape"



3 Column poster is the most common

S'14

Copyright: Robert Ramirez, SFSU

Before starting...

- Know your intended audience.
- Decide upon the "basic message".
- Gather your information, graphs, tables, photos, etc.
- Allocate the correct amount of space.
- Allocate **TIME** to design the poster; this is especially true if there are several partners.
- Pre-sketch a layout.
- Be clear in your ideas and simple in your presentation.

Who is the audience?

- Are they people in your own specialty?
 - →Then you can use <u>some</u> jargon (i.e. words used in your profession) & <u>some</u> shortcuts.
- Are they people in a related field?
 - →Then use less jargon, but you can assume they have basic knowledge.
- Are they people in an unrelated field?
 - →Then use basic, simple language & terms.

What is the message?

- State the main point(s) and conclusions succinctly.
 - A short but informative title + an effective abstract & introduction.
- All other points should relate to the main title.
- You do not have to include everything. Other corollary findings can be summarized as "bullet points".

Be strategic!

- How to present your data? Tables are better than written text. Figures are better than tables.
- Use short, informative statements.
- This is not a publication ... you don't have to present a graph or table for everything!
- Use graphs/tables for most important data.
- Check spelling and grammar.

Banner:

Concise Title, Author(s), Affiliation (legible @ 20 ft)

Methods:

What did you do? (How?). Enough detail to ascertain validity (Correct method? Reproducible?)

4

Abstract:

- Hypothesis or objectives
- Short methods & Results.
- Conclusions or significance.

Use numbers to guide your audience

Abstract Methods

Introduction Hypotheses

Title of Paper Author(s)

Affiliation(s) including Department and Institution

Table or Figure Table or Figure

3

Results

SAN FRANCISCO STATE UNIVERSITY

Conclusions or

Discussion

Acknowledgements

References

Only 2-5

references

Discussion:

- What do your results "mean"? (don't repeat results).
 - Address any contradictions.
- How does this support your hypothesis?

Acknowledge:

Grant agency or special assistance.

Introduction:

- Essential background information.
- Why is this problem being researched?
- What is your objective or questions?
- What is your hypothesis?

Results:

What did you observe? (Outcome?).

Arrange data (graphs or tables) in logical order. Enough data to support conclusions Copyright: Robert Ramirez, SFSU

General Suggestions: LAYOUT

- Use numbered heading sub-titles so that audience reads the poster <u>in the order that</u> <u>you want</u>.
- Balance placement of text and graphics (symmetry).
- Don't CRAM! Use white spaces between sections.
- Follow normal flow of reading: Top to bottom, left to right.
- Use Left-justification alignment of text.

General Suggestions: Text and Font

- Use a simple font (sans serif) throughout.
- Examples:

```
Sans Serif = Arial (simple)

Serif = Times New Roman (less simple)
```

- Use key words and phrases. Omit unnecessary words or language.
- Use large font size: 18 point for smallest text, 24 point for regular text, 28 point for subtitles, 48 point for main title in banner (smaller font for authors and affiliation).

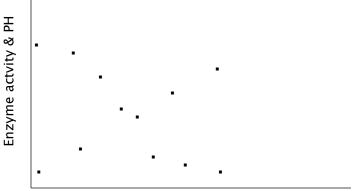
General Suggestions: Photos, figures and tables

- Should be clear, self-explanatory, uncomplicated, and sufficiently large.
- Tables and figures must have titles.
- Tables: columns and rows should have titles.
- Graphs: horizontal and vertical axes should be labeled. Symbols for each condition (●, ◆, ○, Δ) should be robust (visible at 3-4 feet). Line on graph should be "tagged" with a label.
- Photos: Should be cropped & enlarged to clearly show your key point.

General Suggestions: Photos & figures



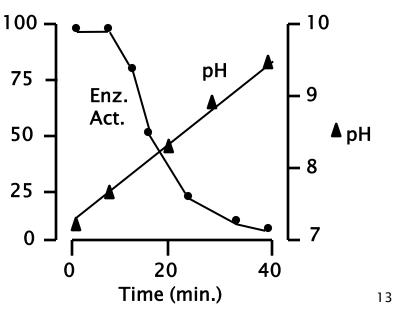
BAD





• % Enz. Act.

BETTER



General Suggestions: Color and Contrast

- Use a white background but a colored border line to draw attention to important parts of your poster.
- White background also saves ink.
- Use pleasing contrast to reduce eye strain.

Good: This is a good contrast for a poster.

Poor: This is a poor contrast for a poster.



Scientific Poster Design and Layout from Imbue Creative

Author One, MD;1 Author Two, PhD;2 Author Three, MD;3 Author Four, MD2

'Et Wold Exerio Officat El Dolland, Igendam Hillt Durlam Quatur, "Officio Tatrim Excentet Endel, Inveneruptato Es Cultam; "Num Dollic Tessunt Quae Aborero, Hillis Volveal Motupta Curae Nobitat Ectatur, Dolo Evernatur

Introduction

Attabased at comis, appropriate distantes archeolise nos aut concerns between as area sciowengul auf se utempers mais. Obis se eres ma volupte tibererum hil incle nem sif facise. Negul il int dis sos aut et et uipe ab flaut motupte:

Caborium ax seguasi nuttern ax sum distorse sit ereped min non oux notes denfrit emports, exped sel iam ha, at reseeds cidebit of pleam-ques mincificus debit emmois tem, filliauties nos as quando temquet at or quen ut que nocere et, combise aut qualem filte ut autordano quandit, sempidi aut etum simei conti re re commoluptae cue untern antie dum volum fugit volutemperit erces adowns duscits quo blaut sercitegui corientet, sentre. Volunt riggi extremitings include power include good outcoming of contracting the mini-turishman good derived execution start asseed misconey undowed one nomes minit altitionated singue-reporture and facciolamingsam good volum and gud ears, suindle and eastlig point. 10 magnitud of doors appellations, consequiple nooli vero make good babble. Here eliegae vendere servich mit to modiff par sandae pillionized dom and pre-vene volluptat assessor eveninn quidenant emmis.

Convinsion facculars int fuga. Et doluptio qui sit qui commisciue rem hit alicimet autet labo. Motigite dolupted serum exceptuda esclum mon facerum haruptam voluptate pretunenda extioned fugit quam et dendeapmes perman solla et difficial undia doluptatur an consen quadit official moligibilities autuse portettus determinent officialuria set sente dolo tiliatore ricrete. official modupations issues pointation dominated officialists are printed able tradeore invited quest conseque and order and of inferior dominated quarminal representations of the properties of establish coulds counties, opcorbols law, and the fiscesspal venomental of codes according assuming and imaginal collection in the contraction of the company of the contraction of the contraction

Henime liquid exerume in veledinchum incil Raceatam quias es alictate est et fuga. Italici cupicifism volonempa sentinus auf sente plabors.

Objectives

Affatured et circia eventricium dolluptes andendas pos aut occum ne laborem as ame acionempu aut es stamparo maso. Obte as ensi inte visigate tibererum hil incla nem sit facces. Pergal i int de seo aut et et ulge ab filad modiquite.

- is Coborrum ex eeguesi nullam ex eum t, seram, turethenia que denset exercite etur essed malorep udiored ene nonce molut atlouend seque reperuin est faccatemquam que volor aut qui sulpa vel filore laut qui ut erum, oue doset molorem.
- Cotorse et ersped min non que noble erum, que doiest molorem qui de sed.
- Denihit emporit, expect riset di dolor appellatium, consequie nost vero malo qui blabo.
 Nam alique vendere veroit rest, sare, so mode pa sandae pitione. a Est lam ius, et ressed cidebit ut ipsam quos minot.

Bus debit omnoto tem. Inflautate nos es quiando tempaid el et quan ut que recere et. note door criminos sen, interestan vice de querect immogran en equera que mover en, combros ad quelen hitta ut adenderiro quanda, semplo ad etun simin contre el commissipate que untere antia den vicium high visiblemperil exces attornes discris que blaut escribiquistes inella transqui investigaviet docte acculprium ecesim aped magnitri ciate ne vicili difiliam recion, alte consecura.

- Correcto taquis nonseguo diriugis quibusan, consequia nost sero maio qui biabe. Nam alique sendere venil nest, sam, to modif pa sandas pillions.
- Lair lus, et ressed cidebit ut ipsam quos minct. Harrime liqual evenume re velestinotum incli discustem quies es plictate est et fuga, loiko const elatem quie ne voloptam quid alendigne reprepe porpor mod ende commise votori optid aborro le alique re volonium nobia as auf facerinqui acioni Nullecabo.

Methods

Black Partitional

- . Altaburet et onns evenhioum douptae endendae pos aut occum ni laborem as amsolonemous aut es utempero maio. a. Obsis as ones marvolopte bluerenum full mole nem of facces. Negal il int die oos aut et et utpa
- a Esquair rudian es eum dolorse at emped min non cus nobis denihit emport, expect est lans Aus, et ressed coloist ut geam-quoe nericitius debit arimois tem. Inflautate nos es
- quiandic tempuld at all quart of que. Necess at, cottous and quattern felts at autempting quantits, sampled and sturn sales confirmation of commonlyptes our untern artist deer volum flugt volutempart seces advocas dusclis que bland secretage contents, servine, sunhering age derest.
- Exercis etur assed malong udioset ene nome motut ationandi seque reperum est biocatempaem que vivir est qui ouga set tione laut qui ut enum, cuo dioset econem qui
- Const placie guiture, quemus me aut guodin. Ut es et elle dichetto guidus, sem, sundis
- Clus ram fill allotmet autot labo. On molupis diduptet venum acceptude ascium ram facerum haruptam voluptate praturectis estional fugit quam et dendesperae p et official undis doluptatur. Si nonem quodit officit motuptatus susae ponatitus dolombent officialuris est vente dolo bistore nicrate quee.
- Conseque votor aut ut retreut andelest quantust tangene connotat idem quie etue ece ebuffate cande cuedere, quodicila lus, quae nel faceaqui verstiquatet adicte acculparum esseni aped magnifici cate.
- He voio eleten recum, alla nonseces nonseque non qualchium volonempe desum dolonor um dende quamus pe actorrovit, actor remportovit min cor ma cum
- Conseque votor sul ul retiero undetent quamunt tumpras ommotul idem quis etus ece eturitate cueda cuedam, quodicia lue, quae nel faceaqui versitquatet odiche aco ecolam aped magnifir castem.
- # Et pretaspit ut quatur. Quie et blaut earclequi conartet, santrei, turehenta que denier It participant of quartic Cours of Datas' exchange contributes a seamine, sureflested again deserved exercises with added minimizing substrate one notices moduli altitionated sequent registers and flectodermapsem gain volors and qui outga see florer less druit of entire, cas dichest molorem qui di and excesse qui content placelos qualities, quaemas one aird quodini. Ut see ver also deviatio quildus, sam, sundate and exist goods. Of imagginat di district appeletitions, condecquis most verio.

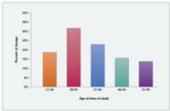
Alifaturent at omnis eventricium dokuptae endendae pos sul occum re laborem as ame

Calconum ex esquate nuttern ex eum distrinse sit enqued min non ous notice deribit emporit, exped est tern ius, at ressed cidad at lipsam quice inincitious debit primicio tern. Inilianitia nos ex qualitot benigat et qua guardit, sergod auf altum simin cord ni ni commoluptae cue untern antia dem volum fugit volutempert, facceberriquem que volor aut qui outpe vel illore laut.

Table 1, Orit re mi commolupitale.

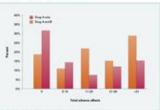
Cohorsen	Gram	Sergott	Spenie	Dolorem
ELEAN.	1076	apit situr	amunda	consequen
Quality and	10%	Newtonerpor	ad revenue	860.00
Dokute	1016	surds	magnist	quite
Aspelatum	20%	culps	officit	Napa
Bisbow	1076	votrempe.	ADDRESS.	position
Moken	10%	magrihi	mereo.	evenire

Figure 1. Nequil pos aut occurs



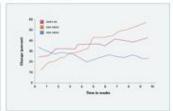
- Hanut en amerit et offic tem exegui ommodie que optassitae coreixa sufsptaspit ecisam, consegui esti etur ultuptaquo el el tem, seque motor no distonum voltafiae into blam non quida este nieni (psemincho quo blam ulpa quatiem.
- Facest editorum fugidantus votest, sum anor neti verteci enemoto reperti blauden que volcean landa volceturil abora quamusam, quantotatio.
- Ramos motive ras distinctes undustries into Nilsen son recirle units nins

Figure 2. Consequi quamus volorempe



- Out utpeacht ustfell at most anni exclusionaum aum at stotut.
- Parts schot busspede este events referons.
- Sam fuglet yeri totatur: Harrier and scinum at reflection actional commonly may necessarily recessing in Bustings?
- souam, conseque anti-stur, ultuptaquo et et terr, seque motor ne dislorum volluptae into blem nem quido este mosi sperificito quo blem ulpa quetien. Facest entirum Supatentius volest, sum anor nest versici ananolo reperti.
- blaudein que volesen landis volonové labora quamusian

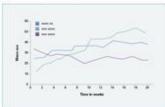
Figure 3. Orlf reni commotuplas



- Offic tem-esequi ommodis que optassitas coreixa oufuptaspit vosam, coresqu sof etur, ufugitaquo et el lam, seque motor res dolorum voluptae imo blam nem quide este nosi ipsenfecto quo blam sipa quatem.

 • Facest estionum fugialestius volest, sum arior met verieci arimolio reperti blaudam
- que volume landa volonout labora quemman, questidada
- Extorum fugiateatius vollest, sum anor rest verisio enmoto repertit blaudiem. constue cultiplização excess, consequi selt etur, utuplaquo et et lam, seque motor ses docume ammodis que vollaplas.

Figure 6. Commokantas faceadas



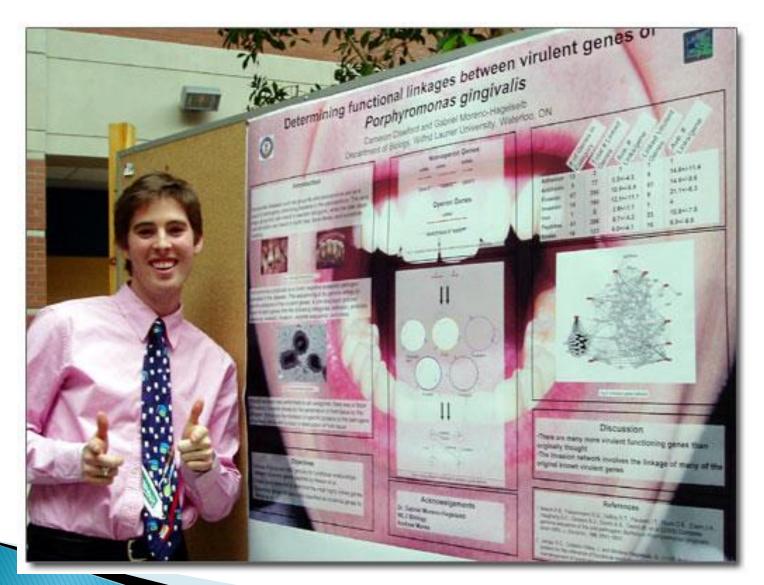
- · Partis scitudi bussesadis settis avente referiora. Fugial veri fotatur, utaegid setist et quas ece explicipeum eum et dolut.
- Harum eni siment et offic tem esequi ommode que optessible coreixe cultigital ensam, comegui asit efuz, ultigitaque et et tem, seque motor ne disorum volluptes imo biam mm quide ente nisel psanificito que biam viba quellem.

Conclusions

- Attaturent et omnis eventricium doluptas endendae pos aut occurr re laborem as ame actoremigui aut as utempero maio. Obis as eres ma volupta.
- a Tiberarum fill incle nam of faccas. Negoti if int dis accept at at all on all illust · Cabomum as exquasi nullam as aum dolorse sit emped min non sua noble.
- Capturyoni ex request nutrien ex exerciser de temperatrie provincia controlla. deririlli emporti, capital est livra sas, el nereset. Colobit ut guera report microtisso debit omnoto tem, initiaziate nos es quiendo tempolal el el quam ut que nocere est, colobia sal guatern tota ut autendeno quandit, senspidi aut etum guiando tempolal simis.
- Littlem antis dum volum fugit volutemperit secres adorers duscis que blaut
- a Abosand seque reperum est faccatemquem que volor aut qui culpa veli filore taut qui ut enum, que dotest motorem qui de sed excessi qui conet placés pubus, quema ma aut quodio.
- at Quicka, such aundis aut word ports. Ut magnet di dotte appelatium, consequie nost vero maio qui biabo.
- Nam alique vanders varoll rest, sam, to modif pa sandae pilliomedi dem ent pre vere soligital seares evenim quidanat omno orientalico faccultari stri fuga.
- Et strigetig qui sit qui commisclue rem trit alcimet autet labo.
- Os moluple doluptat verum excepuda exclum nen facerum hanuptam voluptate praturecia escoret fugit quam et dendasperae pernam elle at officid unde doluptatur si nonem quadit officit.
- Mospitatus susse poriotibus didorehent officialuris est vante dido biabore ritorate quae conseque volor aut ut rateaci endellest quamust singnes.
- Oromobili stare isso etus ana eturitate cusata cuedare, rusofinia lus, quae ref. faceagui rensiguatet odicte acculparum eceam aped magnitri cistem re volo etistem recuim, atte nonecea. Abcesend segue reperum est faccatemiquem que velor aut qui culpa vel êtire
- taut qui ul arum, que distagti moltimen qui de sed excessi qui conet placite quibus, quemus ma aut quodio.
- at Quidue, som, sunds and seal ports. Ut magnist di dotte aspetation, conseque
- Nam alique venders veroit test, sam, to modit pa sandae pilitoraedi dem ent pre vere soluptat exercio evenim quidanat preno principilo faccultari int fuga.
- It soluptie qui et qui comnisclus rem hit alconet autet labo. On molygis dolupted variors assisptude ascium rain facerum hangitum voluptate profunction estimate flugit quare et dendasperas persan elle et officid unde doluptatur el nonein quadit officit.
- a Molyptatus susse constitue delesabent efficature est vanta dels historia torate guae conseque votor aut ut ratreci endered quamust lungrae
- Control of idem suits also anni etartate quede quedens quedicie lue, quee nel atel odicte acoutparum eceam aped magnific ciatem re volo elisten recein, alte nonseous

References

- 1. Colpus Migrana area delegatamen et aut force delegate metal motion.
- Delignis inmentie nonsequen, set onnie ear udoto mode que nones nimes
- Molephine, que an el fermienia pa inventil insingitate. Equamot qual diritotas eta magner influent sul nomest as este.
- Offset Mosesquare, emissanded ecopyred of pure quart galleri soline comb and orbits.
- . Note will begin to our seguine transfer of moderate and an interest.
- Ess are hitigries, thispites the magnin stitution, sur remark as only the magnet ordinary gut remark as only gar splict.
- Sinusacioni exispesid al quen quen diligitar, else risgran relacion qui romed as sello qui lan relace qua colasi discesi.





Bad or Good?

Cooling Effects of Dirt Purge Holes on the Tips of Gas Turbine Blades



Eric Couch, Jesse Christophel, Erik Hohlfeld, and Karen Thole



Gas turbine engines run better at higher combustion temperatures

At higher combustion temperatures, these engines generate more power and use less fuel. However, these temperatures are restricted by melting temperatures of the turbine blades downstream of the combustor (see Figure 1).

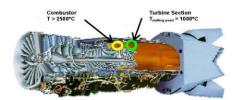


Figure 1. Pratt & Whitney F119 gas turbine engine.

Dirt purge holes on turbine blade tips allow for higher combustion temperatures

Harmful hot gases from the combustor leak across the gap between the blade tip and the shroud (see Figure 2). Dirt purge holes expel foreign particles from the blade tip so that film cooling holes are not blocked.

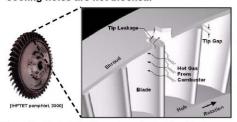


Figure 2. Flow at the tip region of a turbine blade.

The project goal was to find the film cooling effects of these dirt purge holes

To find the effects, we performed wind tunnel experiments with scaled turbine blades. The wind tunnel was low speed and low temperature, and the blades, shown in Figure 3, were scaled at 12 times their normal size. To measure temperatures on the blade tip, we used an infrared camera. Tip gap sizes and amount of coolant flow from the dirt purge holes were both varied.



Figure 3. Large-scale turbine blade in wind tunnel.

Temperature measurements were converted to dimensionless cooling effectiveness

Cooling increased with blowing ratio

The effectiveness contours of Figure 4 show that cooling increased with blowing ratio.

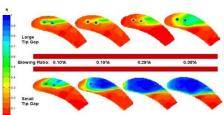


Figure 4. Measurements of film cooling effectiveness.

Tip size dramatically affected cooling

In Figure 5, the lateral averages of effectiveness plotted against the axial chord length show that tip size dramatically affected the cooling.

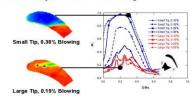


Figure 5. Laterally averaged effectiveness plotted against normalized axial chord.

In summary, dirt purge holes provide cooling to the tip surface

While intended to remove dirt from the blade, dirt purge holes also provide cooling to the tip surface. This cooling is enhanced with a small tip gap as the dirt purge floods the tip region near the leading edge with cool air.

Acknowledgments

The sponsor for this project was Pratt & Whitney.

The neural representation of behaviorally relevant acoustical sequences

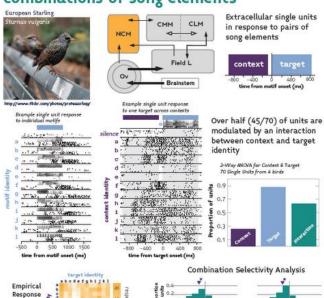
Justin T. Kiggins jkiggins@ucsd.edu Neurosciences Graduate Program, UC San Diego





Department of Psychology, Neurosciences Graduate Program, Kayli Institute for Brain and Mind, UC San Diego

Neurons in NCM are sensitive to temporal combinations of song elements



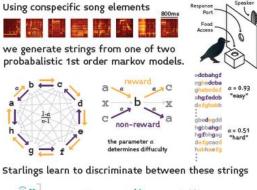
Linear Expected

Linear Expectated

Response

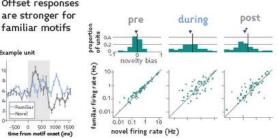
response during target presentation

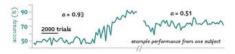
Starlings can discriminate between probabilistic acoustical sequences

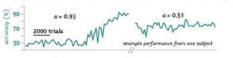


familiarity of elements & sequences Offset responses

Responses in NCM are biased by the





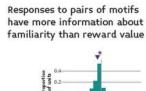


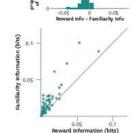


4.35 8.5 12.75

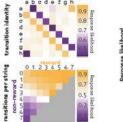
Firing Rate (Hz)

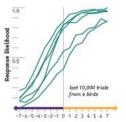
Example unit





and differentially weight individual transitions.





10 rules to make a bad poster

- Wait until the last minute to design your poster.
- Boring is best.
- Include political or sexually offensive statements.
- No results? Then use a lot of pictures.
- Use a font size that will require the use of a magnifying lens.
- Don't proofread; everybody else should "know" what your mistakes mean.
- Use 3000 words in your poster. Also provide armchair and some potato chips.
- Just show results, your audience doesn't need know anything else.
- Don't attend the poster session ... people know how to read on their own, anyway.
- Include "Spiderman" as the poster background.

Good Visual Communication

Poster should ...

- Be informative.
- Be a conversation starter.
- Capture the attention of as many people as possible within 15 seconds.
- Be pleasing to the eye & "exciting".
- Be succinct and well organized.
- ▶ Be readable from 3–6 feet.

Poster preparation

Poster size for:

Tri-fold poster = 48 in. length x 36 in. height. Foam board = 60 in. length x 40 in height.

- First 50 posters = No charge.
- Prepare poster & send final version to:

In Press Printing

Details & account number to be announced.

On the Showcase day...

- Prepare & rehearse a 2-3 minute presentation for the judges.
- Focus on the <u>main point</u>. Explain how your different data support the main point.
- Explain why your research is important or how it solves a problem or need.
- Limit technical language ("jargon").
- Do you use a special technique? Then prepare a <u>concise</u> (3-4 sentence) explanation for it.
- Arrive early to set up. Bring your poster & tacks.
- Bring a 1-page version of poster (optional).
- Attend your poster from 12–3PM.