Chapter 4

Presentation of a manuscript (or written work)

Dr: Baatouche .S

A DEFENSE

Definition:

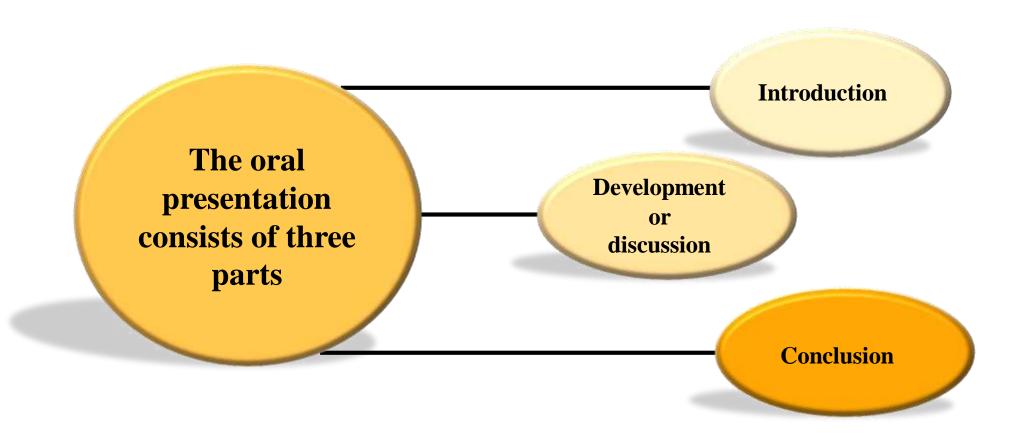
The act of presenting an intellectual work to obtain a degree (Bachelor's, Master's, Doctorate, etc.) before a jury responsible for assessing its merit and capable of awarding

- the degreeIt is characterized by:
- > Is not a summary of the work, especially not a reading of the completed work.
- > Does not cover everything contained within the work.
- > Does not develop the full argument and analysis of the research.
- > Communicates scientific facts and the corresponding argument.
- Convinces the audience.
- > Must be scientifically interesting and capture the audience's attention.



The general parts of oral presentation

The general parts of oral presentation



scientific poster

A scientific poster is a presentation or display that allows you to present scientific work to other researchers or doctoral students at scientific meetings or conferences. Its purpose is to bring together, on a single page, all the information about the study being presented.



Basic steps to prepare a poster

Define the main theme

STEP 1

You must identify the poster's main message, the key idea.

Choose the medium

1 **2**

An A₀-sized PowerPoint slide (95 cm wide – 105 cm high) in portrait or landscape mode. Choose the structure

03

This involves choosing the reading direction, natural or explicit, of the poster



Construct the frames

04

- ✓ summary;
- ✓ introduction
- ✓ Materials and methods;
- ✓ results;
- ✓ analysis of results;
- ✓ Conclusion



TITLE OF YOUR RESEARCH

Affiliation

Introduction

important and why it is relevant to the beld or discipline. Discuss any gaps or limitations in existing knowledge or previous studies and highlight the potential impact or benefits of your research.

in the aim section of your research poster, succeptly state your research question and objectives, nuthing what you intend to investigate or activity. This section should provide a clear direction for your shalls, highlighting its purpose and

Methods

en design and how it aligns with your research position or objective. Describe the characteristics of the participants or sample involved in your study.

Methods subheading

- . You might want to use builet points
- . Begin by explaining the overall design of your study.



Figure 1: Insert a caption for your figure here.



Figure 2: Insert a caption for your figure here.

Contact information

Results

of a poster presentation, you should aim to present your core findings in a clear and organized manner.

- Data Presentation: Use graphs, tables, or figures to present your data visually.
 Ensure these elements are well-labelled and can stand alone in conveying the
- Key Findings. Highlight the most important results of your study. This might include significant statistical outcomes, frends, or patterns observed in the data.
- Brevity and Clarity: Keep explanations concrue. Use builty points or numbered lists
- Contestualize Results: Briefly relatingour results back to your research question or eventhesis to hele viewers connect how the data answers the letter around.
- No interpretation: The results section should be free from analysis or interpretation. Stick to what the data shows, leaving analysis for the discussion or



Figure 3: Insert a capbon for your figure here.

too can use this space to clarify some more details about your results.

Table 1: Insert a caption for your table here.

	Mild	Moderate	Severe		
1	30.35%	28.40%	26,85%		
2	17.28%	20.99%	23.15%		
3	12.65%	9.57%	9.88%		

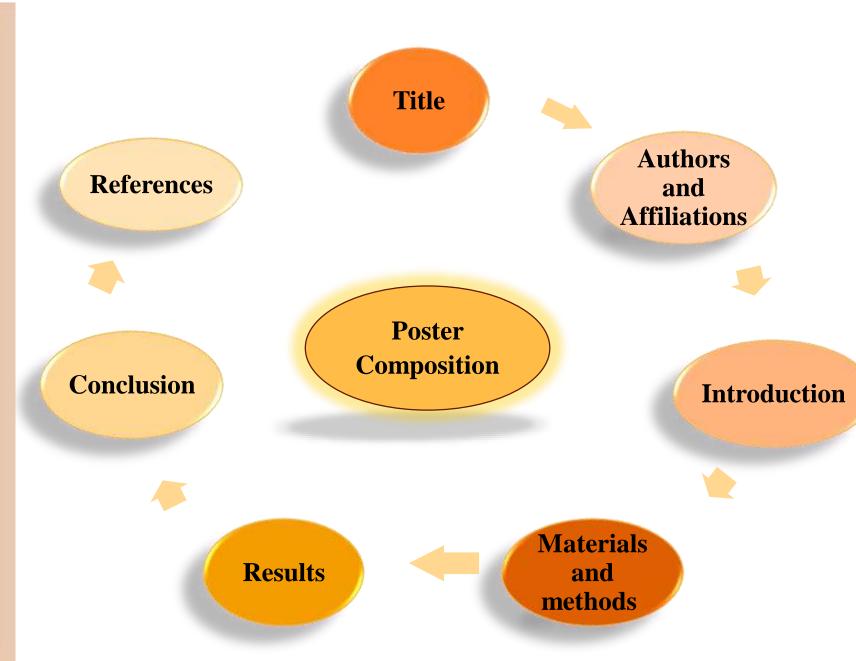
Conclusion

It's important to, briefly restate this research question and the answers your work provides, emphasizing the most significant results. And discuss the broader implications of your findings for the field of study of

Future Work

- Acknowledge Any Scottations of the study and suggest areas for future research.



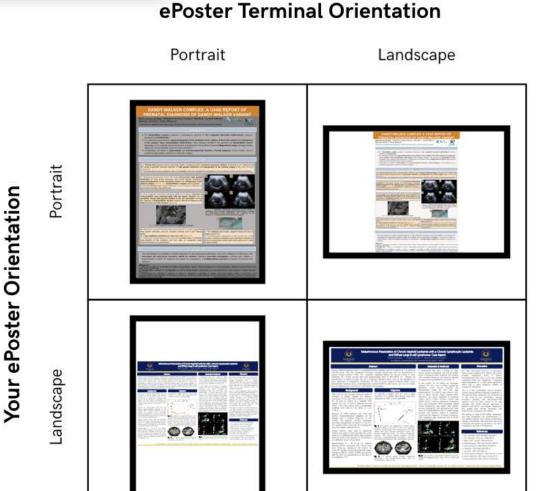


Poster format

There are two main types of scientific poster forms:

Height **Portrait** Width





Poster format



Poster format

To control the shape of the poster we go to in PowerPoint

conception —

Slide size

Custom slide size

84

Title of the Research Study

Logo

PEOPLE WHO DID THE STUDY

UNIVERSITIES ANDIOR HOSPITALS THEY ARE AFFILIATED WITH

Introduction

We hope you have 34 templane useful? This one is set up to 2.3 in A0 (33.11s.46.81°) Vertical poster.

We've put in the headings we usually see in these posters, you can copy and puste and.

24

our hearts content? We suggest you such keep blank ten against a hjild. In or that it is easy to recall. Bockground guider can be changed in formast bidrop down menus.

around the text will automatically fit the text you up giv, and if you click on the you set build builded that appear to intentin or supervised the text boxes to be you want. If you need jour a tritle interer recent the your type, go to formate occurs and reduce it to 90 or even 85%.

The skin. I lines through the constraint process again wint, they are fire alignment. You can move a an around by the ling and holding them. It is little box will tell you where

How to bring this on from Excets and Words

Exect-select the mort, fit edit-copy, and then edit-paste into Powerbolm E. The chart aim then be stretch to fit as required. If you need to edit parts of the edit, it can be ungranged. If selecting for selectinity symbols used in imported sharts, plotte Powerbolm will not you false as a used first and may print Improperly. If we don't have the first

Wards - for the text to be Prought into Powerboint, hit colliscopy, then on equate the text into a real or existing text block. This text is editable. You can change the top, color, sto, in finite forch.

There is no Roman limit or peur collaborators will have those.

Sean

We it est images to be 72 to 100 dpi in their <u>final size</u>, or use a rule of thumbs a 7 to 4 mag bytes of uncompressed lift file per square foot of limage. For intuitioe, a 3 i photo-than all the fix to 10 is size on the final potent should be paramed at 200 dpi.

We needer that you impose tilf at jug images into Provedbalm. Generally, if you a diducible on an image to open it in Alexands Photo Editor, and it talls you the image is not later. Open it is not large for Provedbalm to handle use. We find that images 120. Indee the second work work very well. Very large images may show on your series to

Pro law: To see your in poster in actual size, go to view recom-100%. Posters i be prin ed at 200% need to be viewed at 200%.

Fee tack: If you have extrements about how this template worked for you, on I is safe a megapital core.

We'll and Call us at #00-590-7850 If we can help in any way.

Methods

*************** XXXXXXXXXXX SECRE *************** XXXXXXXXXXX SERVERS SERVENCE *********** ******** NANANANA *********** NANANANANANA ANNANANANA ************ *XXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX *************

Results

36

Figure #1

Figure #2

CHART or PICTURE



Conclusions

Bibliography

AND COMMON TO SERVICE OF THE SERVICE OF THE COMMON TO SERVICE OF THE COMMON TO SERVICE OF THE COMMON TO SERVICE OF THE SERVICE OF T

Formatting

Poster title here: Short & snappy

Author names and affiliations

1. Background

Binef settlen covering essential being round information about your project and its area. Why does it metter and who will it impact?

Text size between 20 and 52 at for print posters. Head best left: eligned.

Use short paragraphs or build points.
Alternative title for this section increduction

Called the transfer and the control of the control

Brieff section to explain what your research project set out to achieve. Dearly state the research qualities or hypothesis.

Tuot sits between 20 and 52 pt for print posters, Keep text left, eligned, Use short, paragraphs or hubble points.

Attenuative times for this section.

2. Objectives

- * Alm
- * (Autotion)

3. Methods

Succinctly describe basic parameters such as study design, sample, duration of study inclinater vaccinates attacks, statistical factoriques, key interventions assessed, and primary outcoder vaccinates.

Text size between 2tl and 32 pt for print posters. Heep text left-eligned.

Use abort paragraphs or builet points. Diagrams can efficiently convey information or provisions.

Atternative time for this section: Mechanisingy

- Nay moture subsections outline
- Artistysco.



End of text. If your text down't fit in this box at a minimum form size of 30 ot, don't reduce

form size! Irrelated, reduce the amount of last or the size of your image

3a. Analysis

Change this section title or delete as needed.

4. Results

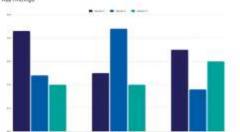
Train agent

- inviterious reputts which arower your hapothesis/housinch guestii
- Uncorporated key areasts any graph, chart, diagram, lable, graph.
 Other the largest section of a scalar and is the largest section on this templete Section is the largest section on this templete Section is a section.

Yest also between 20 and 32 µt for print posters. Heep test left-original, the short terrorises or holist resists.

Alternative till his for this section

* New Production



Additional last or images here.

End of text. If your text despirit fit in this box is a minimum form size of 20 git, don't reduce

5. Conclusion

foretroduction of findings and their repairs on research and patient subcomes Mayinclude (rigifications or recommendations for research and/or practice

Task size between 20 and 32 pt for print poeters. Heep task left-aligned ties shart paragraphs or trailet points.

Atternative Liste for 1516 section. Discussion

If your box doesn't fit in this top at a minimum font size of $20\,\mu\text{L}$ don't reduce the font size motival, reduce the amount of too in this section or the next.

References

Small section using a smaller font size than man test.

Severapace by using a QR code linked to an ordine reference felt

Afternatively, add a QR code linked to your paper or manuscript



Contact details

Contact details for the contact author, if not listed elsewhere.



Formatting

Logo

Title of the Research Study PEOPLE WHO DID THE STUDY

Logo

UNIVERSITIES AND/OR HOSPITALS THEY ARE AFFILIATED WITH

Introduction

We hope you find this template suchid. This one is set up to yield a Allo All' (No.4') square poster two promits of all 2009s.

We've me to the bending to bear his thorac products, while your loads and We regard you see large Hisck iera apsend a light all us that it is now to road. Declarational

you chick on the text, you the little bandles that appear to month or equipment the taste format to little money rooms for your t er take from wheel. If you nevel heef a forms line spacing and reduce it to West damped the

The status later through the of the course will and sense there are the alignment. Viscoproposi fi and by clicking and bolding there, and a little how will not you say are no the legal. The three in get your pictures or test hones of gr

Here to bring things in fre

Excel soles the duri, lit is of the state of the state of the state of the state of FreedPointW. The short on send to mile pers of the che he impropried. Himshown for chatte, which Properfood will not schemble sembols used to t cost automorphy of my don't have the recognise or a sould first as est to use the Soughed time for accomplic lives morallised on our money

Words select the text to be turn Princetholist, hit solit-come, them. mility posts. The held early a ner You can sharing the ears, or put shadows on smaller wa in Farmer tend. We suggest you not with Art of and Times Name States Exchi air erest air Fabroneres

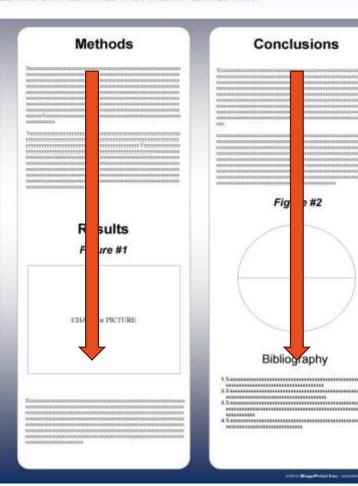
Wy send transports to be 72 to of the White of Good state, or were a realize of Beetl of 2 to 4 map by enego. For instance, a 75 nat will be built in size on the flexiprotest abroaded by women

We werfor that you enough to be altraffile of all, never property tellis tota the tange is too followalle too. We find that in et it is too large for Procedings to well. Your large images not one wond acresion has Procee Projet current

forcers to be product at 200% used to be viewed at 200%.

Furtherk: If you have comments about how this impulsive worked for

We haven Call up at 88% 50% 50% of we can help to ster was



Development of a Fully Decellularized Bovine Caudal IVD Scaffold

A.Henyley, J. Rames, C. Duyle, T. Litzinger, T. Watt, S. Wyman, C. Fernandez, MS, J. Mercuri, PhD





Lower back pain (LBP) is a multifactorial problems associated with degenerating intervertebral discs (IVDs), which provide flexibility and shock absorbance for the wertebral column.



IVD progresses with age with over 60% of those over age 70 having severely degenerated IVDs.1 Current solutions are palliative. The first goal of our project is to create a fully decellularized bovine caudal IVD to be used as a scaffold replacement for patients suffering from IVD degeneration and lower back pain.

MATERIALS AND METHODS

IVD Extraction Method

- Netadate edution was used to coal the four time
 Caudel thick St., LoC., J were targeted
- vertebrae were apparated treavy duty clopers, and acabets were used to out our iVDs.
- IVEs, were interestablely placed in empty 130ms centation before claring electrication. Disks were takened based of



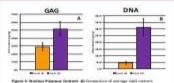


Companied of 10mM tris, 0.3% weight offspace disense histories and (00TA), 0.02% weight sedum ands, and 0.2% weight fritori

Decellurization Method/Testing Protocol Four of each thic $X_{\pm 0}$, $X_{\pm 0}$ and $X_{\pm 1}$ were our axial. Two of each were legit at $\pm 0.0\%$ for use in fresh, control camples. The numerous disc were prepared for the discolarization process.

- of the dries going through the developer from process was any where subjection to observations are to its outcome at the letter
- nom temperature for 24 hours. Major 2 Microsph 4 were reputation
- Simil visua pouchas were used to take semples from the nacional experience, and the object of the amount of the properties of the amount of the control of the amount of the control of the amount of the control of the cont

- shorty frozens and control disks were proposed with O.C.T. and previously made. Mandard whistless transite by their access and Alexas black receiver and has blanking were performed. ORA was always and from sometimes come a standard Cargon kill. burders were our in both using both a 15 and 55 gard accountable.



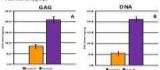




Figure 9: Altine Blue visited N/O AF. An Altine Blue (CAS) and resolve for the (MAS) and resolve for Ag (6) surple to also with decel grammed and \$2 fields of



Figure 6: 6 defeliers forestelle skalined (A) maneither tagine. As a distillar homestelle body-facility (A) share for A) maneither region; cample treated body denial protection and fill find to mention region handle.





Two evaluated the ability of a decellularization olution to fully remove having cells from the NF and AF engures of new tail IVDs, while attenuiting to maintain as much GAG tan ECM component which contributes significantly to the mechanical function of the IVDI as possible.

CONTRACTOR OF THE PERSON NAMED IN	1 - 1	MF.	NP.			
Treatment	Ernah	Deceil	fresh	Docett		
GAG (HE/ME)	252.70 ±23.17	132.71 1	677.20 ±95.04	258,211 59,32		
DNA (ng/mg)	244.67 + 25.68	65.99 ± 4.07	314.28 ±85.40	47.12 ± 18.68		
GAG Percent Reduction (%)		17	62			
DNA Percent Reduction (%)	73		45			
GAG T-test (a=0.05)	0.00421		0.00963			
DNAT-test (n=0.05)	0.00004		0.00293			

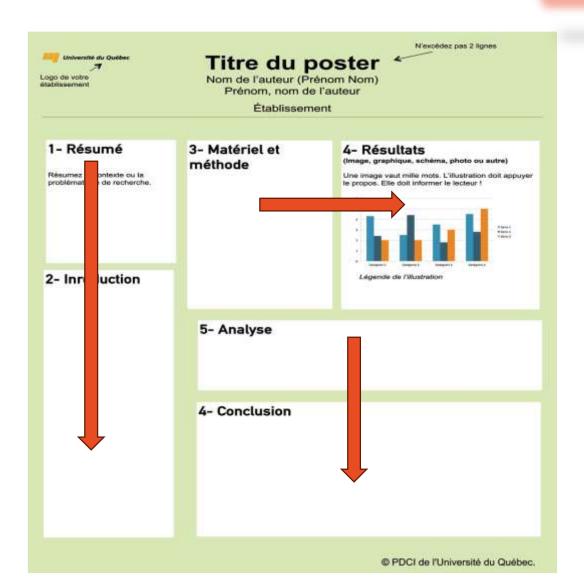
Dur qualitative results are further correborated Chitaining: substantial reduction of nuclear

density in AF and NP. GGel Bectrophoresis: neither 1% nor 5% gels

ACKNOWLEDGEMENTS

REFERENCES

Formatting





Colors

Use a maximum of two to three main colors, preferably pastels. Therefore, favor contrasting colors between the text and the background, for example, dark text on a light background.



Illustrations

Illustrations (tables, graphs, diagrams) must be contained: a title, numbered reference them in the text

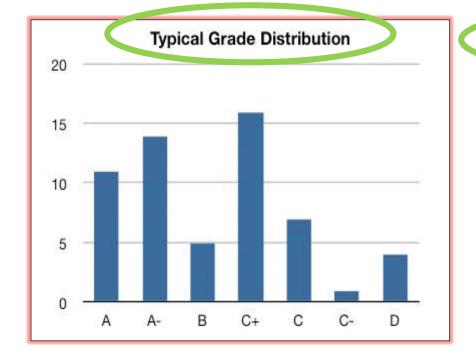


Table 1. Organic fertilizers and amendments applied in the experimental orchard — Fertilisants organiques et amendements appliqués dans le verger expérimental.

Compound	2002	2002	2004	25.0	2000	2007	2008	Mean 7.9
Compost 0.5% N (t-ha-1)	30.0							
Lin-waste 5/2/2 (t-ha-1)	0.5	1.0	1.0		1.0	0.8	1.0	0.7
Patentkali (t-ha-1)	2.0		0.3	-		-	-	0.3
Natural phosphate 50% (t-ha-1)	1.0		0.3	(7)	0.70			0.2
Hydrated lime 50% (t-ha ⁻¹)	2.0	1.0	2.0	2.0	2.0	2.0	2.0	1.8
Nitrogen unit (u.N·ha ⁻¹) ^a	57.5	67.5	72.5	62.5	50.0	63.8	45.0	59.8
Cab	-	1.6	4.0	4.0	4.0	4.0	4.0	2.8
B, Mn, Zn ^b	-		4.0	4.0	4.0	4.0	4.0	2.8

^{*}Estimation of nitrogen availability for the compost used: 30% year 1, 20% year 2, 15% year 3 and for the lin-waste used: 50% year 1 and 50% year 2 — Estimation de la disponibilité de l'azote fourni par le compost: 30% l'année 1, 20% l'année 2, 15% l'année 3 et par le tourteau de lin: 50% l'année 1 et 50% l'année 2; b Number of foliar treatments — Nombre de traitements foliaires.

A poster must be:

- Attractive: to capture attention: The title must attract the reader, and the information must be as graphic as possible
- □ Structured: to facilitate reading: The reader must be guided through their reading. To do this:
- ❖ Identify the different parts of the poster (by titles, section numbers, colors, etc.).
- ❖ Or adopt a natural or explicit direction of movement through the poster.
- ☐ Concise: to focus communication on the message:
- ❖The text must be clear and precise, the sentences short, and the font appropriate (not in capital letters, etc.).
- ❖White spaces are important. Ideally, a mix of 30% text, 40% illustrations, and 30% empty space is recommended. Avoid overusing colors, which impair readability.

Basic steps to design a scientific poster

Choose one of the available programs for designing scientific posters



PowerPoint



Publisher

Some sites to design scientific posters for free

PhD posters

posteres presentations

makesigns scientific posters

Poster objectives

The purpose of the poster is to present your research work to uninitiated readers; it's a kind of scientific business card. You need to put yourself in the shoes of the person who will read it:

- ✓ The problem and vocabulary must, therefore, be simple.
- ✓ The poster must attract attention; it's a visual communication tool.
- ✓ The poster serves to convey a message : it's to inform.
- **✓** The poster must make the reader want to delve deeper into the subject: it's to convince.
- **✓** The poster must be educational, present a logical sequence, and not be too dense.
- **Important**: the poster must be self-contained, meaning it can be understood even if you're not there to explain it.