## iGEM 2013 Basic Safety Form

Team name:	

Deadline: 30th of August 2013

Submission method: email form to the correct email list for your region:

safety\_forms\_asia@igem.org safety\_forms\_europe@igem.org safety\_forms\_north\_america@igem.org safety\_forms\_latin\_america@igem.org

Students can complete this safety form, but it must be read and signed (electronic or hard copy) by your team's faculty advisor. Your advisor must verify the information contained in this form and sign it.

The iGEM Safety Committee must be able to easily reach the advisor with questions or other follow-up communication. If you have made changes to your project (new coding regions or organisms) you must resubmit your safety form before wiki freeze (date TBD).

Key points to remember as you complete the safety assessment process:

- For help in completing questions 1 and 2, you may find it useful to consult the Risk Groups section of the Safety Resources List [2013.igem.org/Safety].
- The iGEM Safety Committee will be reviewing your project. To avoid temporary suspensions, answer these questions completely and accurately.
- The Safety Committee needs to be able to communicate with your faculty advisor about any safety concerns. If we cannot reach your advisor in a reasonable amount of time, you may be subject to restrictions at the Jamboree.
- Your safety page, wiki project page and poster should be consistent with each other. If you change your project, submit an updated Basic Safety Page to the iGEM Safety Committee before the wiki freeze. (Your faculty advisor must also read and sign the updated page.)
- We understand that projects may still be changing at a late date. However, large discrepancies between what you submit on the Basic Safety Page and what you present at the Jamborees may result in restrictions at the Jamboree.

## **Basic Safety Questions for iGEM 2013**

a. Please describe the chassis organism(s) you will be using for this project. If you will be using more than one chassis organism, provide information on each of them:

	Species	Strain no/name	Risk Group	Risk group source link	Disease risk to humans? If so, which disease?
Ex	E. coli (K 12)	NEB 10 Beta	1	www.absa.org/riskgroups/bacteria search.php?genus=&species=coli	Yes. May cause irritation to skin, eyes, and respiratory tract, may affect kidneys.
1					
2					
3					
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6					
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<sup>\*</sup>For additional organisms, please include a spreadsheet in your submission.

2. Highest Risk Group Listed:

1 Greater than 1

If you answered 1+, please also complete the iGEM Biosafety form part 2 for any organisms in this category.

3. List and describe *all* new or modified coding regions you will be using in your project. (If you use parts from the 2013 iGEM Distribution without modifying them, you do not need to list those parts.)

	Part number.	Where did you get the	What species does	What is the	What is the function of
		physical DNA for this			this part, in its parent
		1 '	come from?	the species?	species?
		synthesis company, etc)			
Ex	BBa_C0040	Synthesized, Blue	Acinetobacter	2	Confers tetracycline
		Heron	baumannii		resistance

	Part Number	Template Origin	Parent Species	Risk Group	Function
1	BBa_K116500	Patrick Gulick Lab & Michelle Harvey, Concordia University	Arabidopsis thaliana Escherichia coli	1	Perceives ethylene gas and induces OmpC promoter
2	BBa_K116501	Ompc Promoter - IDT GFP - Bba_I13522	Aequorea victoria Escherichia coli	1	GFP induced by osmotic pressure
3	BBa_K116502	TetR Promoter - IDT crR12 - IDT Cepl - IDT	Escherichia coli Burkholderia cepacia	1	dual repression of CepI expression (TetR and cis-regulator)
4	BBa_K116503	TetR Promoter - IDT crR12 - IDT Luxl - Bba_C0061	Escherichia coli Vibrio fischeri	1	dual repression of Cepl expression (TetR and cis-regulator)
5	BBa_K116504	TetR Promoter - IDT crR12 - IDT RhII - Bba_C0070	Escherichia coli Pseudomonas aeruginosa	1	dual repression of Cepl expression (TetR and cis-regulator)
6	BBa_K116505	LuxR - Bba_C0062 RhIR - Bba_C0071 CepR - IDT	Vibrio fischeri Pseudomonas aeruginosa Burkholderia cepacia	1	Expression of three AHL activated transcriptional activators
7	BBa_K116506	CepR - IDT	Burkholderia cepacia	1	Expression of OHL activated transcriptional activator
8	BBa_K116507	Patrick Gulick Lab	Arabidopsis thaliana	1	Ethylene synthesis
9	BBa_K116508	IDT	Synthetic	1	XOR Ribozyme 1 targeting Cl434
10	BBa_K116509	IDT	Synthetic	1	XOR Ribozyme 2 targeting Cl434
11	BBa_K116510	IDT	Synthetic	1	XOR Ribozyme 1 targeting PenI
12	BBa_K116511	IDT	Synthetic	1	XOR Ribozyme 2 targeting PenI
13	BBa_K116512	BBa_K228003 IDT	Lambda Phage Aequorea victoria	1	Modified bistable memory expressing GFP and trans- activator

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	the biological m	g regions, please include a saterials used in your lab wo	ork pose any of the follow	ving risks? Please	describe.
	b. Risks to the	e safety and health of the go	eneral public, if released	by design or by ac	ecident?
	c. Risks to the	e environment, if released b	by design or by accident?		
	d. Risks to se	curity through malicious m	isuse by individuals, grou	ups, or countries?	

E. coli is our chassis organism. It falls into Risk Group 1	s
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Luc Varin	
aculty Advisor Signature:	
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