

INVOICE

Invoice Number : G-001
Invoice Date: 7/10/2015
Bill to: Los Angeles County Museum of Art
Attn.: Joel Ferree
For: Art + Technology Lab Grant / Milestone #1

Details:

Artist fee for 2 months of research plus production of notes and sketches

TOTAL DUE:



Payable to: Jonathan Keats (working as Jonathon Keats)
Address: 1276 Jackson St. #3, San Francisco, CA 94109

Thank you.

SUPEREGO SUITS

by Jonathon Keats

LACMA Art+ Technology Lab

2015-16

Summary Report #1

July 10, 2015

Part I - Completed Work

On June 25th, while participating in the Art+ Technology Lab introductory meeting, I met with LACMA costume and textiles curator Kaye Spilker, initiating a conversation about how clothing has historically interacted with and modified the body. On the basis of our discussion and further email correspondence, she has recommended research materials to enrich my study of the historical relationship between costume, posture and movement. As discussed below, this research will inform the design of my neuroscientifically-tailored garments. Over the two weeks since our meeting, I have gathered several of the recommended books and begun reading.

In addition, I had preliminary conversations with Art + Technology Lab advisors at the Lab meeting, some of which may lead to collaborations that could expand upon the function of my neuroscientific garments. The most promising conversation was with John Suh of Hyundai Ventures, with whom I have a meeting scheduled in August to discuss potential ways in which the superego suit concepts might be incorporated into the car of the future (in terms of driver interfaces and seating). At the Lab meeting, I also had a productive conversation with SpaceX about potential application of interoception in future spacesuits. I hope to follow up on my next visit to Los Angeles.

Finally, I have spent some time researching and thinking through a revised project plan, to better fit what I've learned about the Lab grant and my subject thus far. My proposed revised plan is appended below in Part III.

Part II - Impending Work

Over the next two months, I will undertake extensive research in the following three areas, all of which are crucial to my development of neuroscientifically-tailored garments:

(1) Neuroscience: My neuroscientific reading will concentrate on recent and historic laboratory research on connections between body states and mental states. Initially I will review the literature on proprioception, interoception, embodied cognition, and embodied belief. (I have already amassed voluminous research on all of these topics.) As my study progresses, I will also explore other areas of neuroscientific research as appropriate. Over the course of July and August, I will determine which topics and methodologies are most

promising for neuroscientific tailoring and will rough out plans for implementing them based on my research on costume and technology.

(2) Costume: As mentioned in Part I, the history of costume will be central to my creation of novel neuroscientific garments. Specifically I will research clothing and accessories that shape and control the body (e.g., corsets, collars and heeled shoes). I will draw inspiration from these items both structurally and aesthetically. The structural information will be especially important, as neuroscientific tailoring will need to dynamically modulate the body. This research will also help me to situate my own work in costume, design and art history, and will potentially inform how the work is eventually exhibited.

(3) Technology: Neuroscientific tailoring will involve mechanical and electronic sensing and actuation. In order to develop neuroscientific clothing from an engineering perspective, I will need to familiarize myself with the capabilities of established and cutting-edge technologies ranging from pneumatic pumps to EEG. As my research progresses in the two areas outlined above, I will begin to investigate potential adaptation of technologies already associated with the body (e.g., FitBit), as well as sources for materials that can be used to make totally new mechanisms.

As I study the topics enumerated above, I will develop concrete ideas for several neuroscientific garments. I will do so both in notebooks and on sketchpads, recording my thought process. Some of the text and images may become part of a future exhibition. A relevant selection will also be made available to the Art + Technology Lab for purposes of documentation.

Part III - Anticipated Work

As mentioned in Part I, I have reworked my initial proposal to reflect what I believe at this stage to be the most productive way forward (subject to further revision, of course). This is my revised plan, inclusive of timing and budget, which I submit to the Art + Technology Lab for review and feedback.

Milestone #1:

background research and conceptual drawings / July-August / [REDACTED] [REDACTED] *for artist's time*)

Milestone #2:

handmade prototype fabrication by artist / September-January / [REDACTED] ([REDACTED] *for artist's time* + [REDACTED] *for materials*)

Milestone #3:

photo shoot of models wearing prototypes at LACMA (public event) / February / [REDACTED] ([REDACTED] *for shoot* + [REDACTED] *for artist's travel and time*)
presentation of prototypes at A+T Lab (artist talk) / February / see above

Milestone #4:

development of one working prototype with engineers / February-June / [REDACTED]
([REDACTED] for artist's time + [REDACTED] for engineering)

Milestone #5:

experiments with working prototype at A+T Lab (public event) / July / [REDACTED] ([REDACTED] for
artist's travel and time)

Milestone #6:

documentation and visualization of experiments including public feedback / July-August
/ [REDACTED] ([REDACTED] for artist's time)
potential exhibition of prototypes and/or visualizations at LACMA / August+ / \$0

BUDGET

EXPENSES / Jonathon Keats				
	Description	Number	Rate	USD
Personnel				
Artist Fee	research (including notes and drawings)	2 months	per month	
				0
Travel				
(Airfare, Hotel, Rental Car, etc.)				0
				0
Equipment				
(Equipment Needed)				0
				0
Other				
				0
				0
				0
TOTAL EXPENSES				