

WEEKLY REPORT

Group name: May14-26	Date:3/3/14
Client/Advisors: Dr. Santosh Pandey, Dr. Ludovico Cademartiri, Dr. Rebecca Cademartiri	
Attendees/Role Riley Brien - rjbrien@iastate.edu CheeKang Tan(C.K) - kang1007@iastate.edu Taejoon Kong(TJ) - tjkong@iastate.edu Qi Sun(Chad)- newagainsq@gmail.com Nick Dudak - ndudak@iastate.edu Ben Hagarty - bhagarty@iastate.edu Jingxua Sun - sunjingxuan8996@gmail.com Jared Anderson jareda@iastate.edu	Leader, Digital group Digital Fabricator Digital Fabricator Paper Fabricator Paper Fabricator Paper subgroup leader Web developer Reports

ACCOMPLISHMENTS FOR PAST WEEK

WHAT	WHO	WHEN
Purchased Ujoints, Completed Second RDS system	Jared/Riley	Friday
Discovered how to expand RDS image options, began planning for final design	Jared	
Make SVG file for electrode layout,Test Digital Microfluidic system,and Complete drawing .svg file for udrop.	C.K./Riley	All Week
Attempted to tune assay; printed more well plate designs	Nick, Ben	Friday
Slove the pic choose problem, add and simulate the function of choosing pics form cell phone library.	Jingxuan Sun and Qi Sun	All Week
Made device designs for silhouette plotter and purchase waterproof ink pen for RDS chip	TJ	All week

PLAN FOR COMING WEEK/INDIVIDUAL TASKS

WHAT	WHO	WHEN
Try to connect all the hardwares (DMF) and move the droplet using uDrop program.	TJ, Riley	next week
Automatically detect com port, find a effective way to level the RDS, Improve tripod for Camera, draft GUI redesain	Jared	
Match pin to electrodes on the layout in microdrop, Test Digital Microfluidic system	C.K., Riley	next week
Continue following the smartphone based colored comparison health paper and take a look into ios or android apps and app debug.	Charlie Sun Qi Sun	Next week
Try Pandey's pH recipe with ethanol; assay development	Nick, Ben	Next week
Kit development	Paper	Next week

PENDING ISSUE

ISSUE	RESPONSIBILITY

INDIVIDUAL HOURLY CONTRIBUTION

<u>NAME</u>	<u>HOURS</u>
Jared Anderson	13
Riley Brien	13
Nick Dudak	5
Ben Hagarty	5
Taejoon Kong	9
Charlie Sun	10
Qi Sun	10
CheeKang Tan	16
TOTAL HOURS	81