

ミーティングレポート

実施内容

1) The current AC/DC values of Laser A and B in the fiber laser software when the lasers are locked

2) -Please measure the power in port K and H of Laser A and B.

- Then go to the AC-1550 "Diode settings menu". You then see two rows labeled with "LDMV0/I" and "LDMV1/I". "LDMV1/I" is probably for laser system A and "LDMV0/I" is probably for Laser system B. It might also be the other way round, I am not sure.

-For Laser A: Reduce each current of the 4 currents of "LDMV1/I" separately by roughly 300mA and check if the power in K is reduced. if there is one diode current which has no impact on the power of K, something is wrong.

-Repeat the process for Laser B, output H and "LDMV0/I"

実験結果

1)									
	AC	DC							
Laser A	1652	1236							
Laser B	1485	1042							
2)									
	Fundamental	current 1		current 2		current 3		current 4	
	950 mA	650 mA	350 mA	650 mA	350 mA	650 mA	350 mA	650 mA	350 mA
Laser A (K)	84.2 mW	82.2 mW	80 mW	82.6 mW	80.4 mW	77.4 mW	70.3 mW	77.4 mW	70.3 mW
Laser B (H)	114.5 mW	99 mW	87 mW	100 mW	90 mW	103 mW	90 mW	103 mW	93 mW

来週的目標

VBL 系組みなおし完了

基本特性再評価 (深さ分解能、面内分解能)

生体サンプル計測