- (1) Make sur the order is logical; make sure each sentence is clear. E.g., underlined sentence is very unclear: if neurons are indep., why would single-neuron cooling depend or population size?!
- (2) Conplain better ble differences: irregular tuning curves;
 deeper layer. (Not "usually"!)
- (3) This is true for all of population cooling; not clear what you want to say.
- (4) Strictly, it is always 1d; las to be explained better,
- (5) Elis is not slæt kley søry.
- (6) Meaning not clear.
- (7) Eley didn't invent gansiar manifold!
- (8) Very spagne.
- (9) Gonnsian manifold can be defined with arbitrary auto-correlation function, so not clear what your statuent is.
- (10) Elis first sub-section is about 2 different things, which are veirally combined:

 (a) cooling with tuning curves;

 (b) statistics of population respons.

He should be = sub-section, and each should be very clear about the relation of our work to past work discussed.

- (11) State blat grid cells is a farticular realization of a more general idea, as illustrated by our work & as shown long ago by Shannon. Oftress blat Shannon was concerned with cooling a continuous signal. These blat he allowed if to be maffeed to higher alin. Show diagram adapted from Shannon's paper.
- (12) Be more explicit about Slammon's random coole, and say what more we do here.
- (13) Not clear what Abbott did. Connection continuous continuous cliscrete not clear. This maybe fits better with earlier passage where you say that the population activity as a whole is doing the encoding.
- (14) Agon call this sub-section "combinatorial cools" but you never define what it means in fact, you don't talk once about combinatorial cools' in the entire sub-section!

- (15) Intuition is that mixed selectivity comes from combined fure inputs, i.e., conpression. Why expansion? (16) Juposible to moles tand. Not even clear what is "representations of input patterns! (17) A Discussion is not a list of references! This is how this paragraph reads, and it is not clear
- why it's relevant to sur work. (18) Tow remarks:

 (a) No affarent connection between 1st sentence &

(b) Should draw analogy bet. compressed sensing & our network:

low-D/sparse -> High-D -> recovery by random projections Also, J don't know if discursing compressed sensing fits with a discussion on enpansion/confunion in neural systems.

- (19) Which framework? Applied how? With what results? Connective with our work?
- (20) All the CS discussion should after together; too much back-and-forth. Also, I'm not sure that this is a real distinction because high-dim. signals are sparse.
- (21) May too naive given neurobiological knowledge!
- (22) Aby is blis needed, since we never discuss ble Visher information?
- (23) Say blat even blough se assumed ideal decoder, it is not in principle a limitation as can be implemented in network.
- (24) Be clearer.
- (25) Nay nice connection, but needs to be surpached / explained more.